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 DICTIONARY FILE UPDATES: 4 FEB 2008 HIGHEST RN 1001463-85-9

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 experimental property data in the original document. For information
 on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> d que stat l12
 L3 STR



NODE ATTRIBUTES:

CHARGE	IS	+	AT	2
NSPEC	IS	RC	AT	1
NSPEC	IS	RC	AT	3
NSPEC	IS	RC	AT	4
NSPEC	IS	RC	AT	5
DEFAULT MLEVEL IS ATOM				
DEFAULT ECLEVEL IS LIMITED				

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 5

STEREO ATTRIBUTES: NONE

L9	SCR 2043 OR 1918 OR 1847
L11	180878 SEA FILE=REGISTRY SSS FUL L3 NOT L9
L12	91018 SEA FILE=REGISTRY ABB=ON PLU=ON L11 AND NC=2

=> d his nofile

(FILE 'HOME' ENTERED AT 15:32:40 ON 05 FEB 2008)

2/8/2008

FILE 'HCAPLUS' ENTERED AT 15:32:50 ON 05 FEB 2008
 L1 1 SEA ABB=ON PLU=ON US2006182965/PN
 SEL RN

FILE 'REGISTRY' ENTERED AT 15:33:19 ON 05 FEB 2008
 L2 8 SEA ABB=ON PLU=ON (107-64-2/BI OR 17301-53-0/BI OR
 25085-53-4/BI OR 25322-68-3/BI OR 3401-74-9/BI OR
 60267-55-2/BI OR 61837-80-7/BI OR 777084-11-4/BI)
 D SCA

FILE 'LREGISTRY' ENTERED AT 15:36:58 ON 05 FEB 2008
 L3 STR

FILE 'REGISTRY' ENTERED AT 15:38:45 ON 05 FEB 2008
 L4 50 SEA SSS SAM L3
 L5 SCR 2043
 L6 50 SEA SSS SAM L3 NOT L5
 L7 SCR 2043 OR 1918
 L8 50 SEA SSS SAM L3 NOT L7
 L9 SCR 2043 OR 1918 OR 1847
 L10 50 SEA SSS SAM L3 NOT L9
 L11 180878 SEA SSS FUL L3 NOT L9
 L12 91018 SEA ABB=ON PLU=ON L11 AND NC=2
 SAV TEMP L11 HUT149/A
 L13 3 SEA ABB=ON PLU=ON L2 AND L12
 L14 1 SEA ABB=ON PLU=ON 777084-11-4/RN
 D IDE
 L15 270247 SEA ABB=ON PLU=ON ?PHOSPHATE?/CNS
 L16 111784 SEA ABB=ON PLU=ON L15 NOT NC<2
 L17 3 SEA ABB=ON PLU=ON L2 AND L16
 L18 2644 SEA ABB=ON PLU=ON L16 AND K/ELS
 L19 1 SEA ABB=ON PLU=ON L2 AND L18
 L20 7521 SEA ABB=ON PLU=ON L16 AND NA/ELS
 L21 8531 SEA ABB=ON PLU=ON L16 AND ?HYDROXY?/CNS
 L22 3 SEA ABB=ON PLU=ON L2 AND L21
 L23 3163 SEA ABB=ON PLU=ON L16 AND ?AMMONIUM?/CNS
 L24 1 SEA ABB=ON PLU=ON L2 AND L23
 D SCA
 L25 19824 SEA ABB=ON PLU=ON L18 OR L20 OR L21 OR L23
 L26 3 SEA ABB=ON PLU=ON L2 AND L25

FILE 'HCAPLUS' ENTERED AT 15:55:53 ON 05 FEB 2008
 L27 168218 SEA ABB=ON PLU=ON L12
 L28 115301 SEA ABB=ON PLU=ON L25
 L29 6369 SEA ABB=ON PLU=ON L27 AND L28
 L30 QUE ABB=ON PLU=ON FIBER? OR FABRIC# OR FIBRE? OR
 FIBRA? OR TEXTILE# OR YARN# OR THREAD? OR NONWOVEN? OR
 FILAMENT?
 L31 3786 SEA ABB=ON PLU=ON L12 (L) L30
 L32 3076 SEA ABB=ON PLU=ON L25 (L) L30
 L33 168 SEA ABB=ON PLU=ON L31 AND L32
 L34 QUE ABB=ON PLU=ON AGENT? OR COMPOSITION? OR MIXTURE?
 OR ADMIX? OR FORMULAT?
 L35 128 SEA ABB=ON PLU=ON L33 AND L34
 L36 17327 SEA ABB=ON PLU=ON L12 (L) L34
 L37 16210 SEA ABB=ON PLU=ON L25 (L) L34
 L38 74 SEA ABB=ON PLU=ON L35 AND L36
 L39 66 SEA ABB=ON PLU=ON L38 AND L37
 L40 60 SEA ABB=ON PLU=ON L39 AND (PY<=2004 OR PRY<=2004 OR
 AY<=2004)

L41 41 SEA ABB=ON PLU=ON L40 AND (AGENT?/TI OR COMPOSITION?/TI
OR MIXTURE?/TI OR ADMIX?/TI OR FORMULAT?/TI)

=> fil hcap

FILE 'HCAPLUS' ENTERED AT 16:06:50 ON 05 FEB 2008

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FILE COVERS 1907 - 5 Feb 2008 VOL 148 ISS 6

FILE LAST UPDATED: 4 Feb 2008 (20080204/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d l41 ibib abs hitstr hitind l-41

L41 ANSWER 1 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:533968 HCAPLUS Full-text

DOCUMENT NUMBER: 145:29908

TITLE: Liquid fabric softening compositions
comprising flame retardant

INVENTOR(S): Thoen, Christiaan Arthur Jacques Kamiel; Brown,
Jodi Lee; Sivik, Mark Robert; Brown, Donald Ray;
Wahl, Errol Hoffman; Ward, Alice Marie; Tee,
Johannson Jimmy; Jordan, Glenn Thomas, IV;
Santamarina, Vincente; Frankenbach, Gayle Marie
PATENT ASSIGNEE(S): The Procter & Gamble Company, USA

SOURCE: Can. Pat. Appl., 59 pp.

CODEN: CPXXEB

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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CA 2488839	A1	20060602	CA 2004-2488839	200412 02

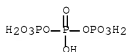
PRIORITY APPLN. INFO.:

<--
CA 2004-2488839
200412
02

<--

2/8/2008

- AB The liquid fabric softening compns. preferably further comprise a fabric softening active. The compns. may comprise a flame retardant, where the flame retardant is a P-containing fabric softener or another phosphorus compound, N compound, halogenated organic compound, or inorg. compound. The compns. comprise .ltorsim.21% fabric softener active and .gtorsim.0.5% silicone material. The compns. can be used to treat all types of fabrics to provide improved fabric softening and freshness, while minimizing the risk of flammability associated with cotton-containing fluffier fabrics, such as fleece and terry cloth, when treated with liquid fabric softening compns.
- IT 7758-29-4, Sodium tripolyphosphate 10124-31-9,
Ammonium phosphate 888948-72-9 888948-74-1
RL: MOA (Modifier or additive use); USES (Uses)
(liquid fabric softening compns. comprising
P-containing flame retardant or other flame retardant and cationic
fabric actives)
- RN 7758-29-4 HCAPLUS
- CN Triphosphoric acid, sodium salt (1:5) (CA INDEX NAME)



●5 Na

- RN 10124-31-9 HCAPLUS
- CN Phosphoric acid, ammonium salt (1:?) (CA INDEX NAME)



●x NH3

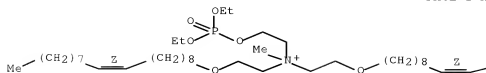
- RN 888948-72-9 HCAPLUS
- CN Ethanaminium, N-[2-[(diethoxyphosphinyl)oxy]ethyl]-N-methyl-2-[[[(9Z)-9-octadecenyl]oxy]-N-[2-[[[(9Z)-9-octadecenyl]oxy]ethyl]-, methyl sulfate (9CI) (CA INDEX NAME)

CM 1

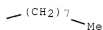
CRN 888948-71-8
CME C47 H95 N O6 P

Double bond geometry as shown.

PAGE 1-A



PAGE 1-B



CM 2

CRN 21228-90-0

CMF C H3 O4 S



RN 888948-74-1 HCAPLUS

CN Ethanaminium, N-[2-[(diethoxyphosphinyloxy]ethyl]-N-methyl-2-[[[(9Z)-1-oxo-9-octadecenyl]amino]-N-[2-[[[(9Z)-1-oxo-9-octadecenyl]amino]ethyl]-, methyl sulfate (9CI) (CA INDEX NAME)

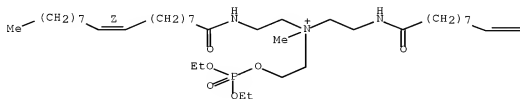
CM 1

CRN 888948-73-0

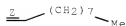
CMF C47 H93 N3 O6 P

Double bond geometry as shown.

PAGE 1-A



PAGE 1-B



CM 2

CRN 21228-90-0

CMF C H3 O4 S

Me-0-S03-

- CC 46-5 (Surface Active Agents and Detergents)
- IT Quaternary ammonium compounds, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (dimethylditallow alkyl, chlorides, fabric softening actives;
 liquid fabric softening compns. comprising P-containing flame
 retardant or other flame retardant and cationic fabric actives)
- IT Lecithins
 RL: MOA (Modifier or additive use); USES (Uses)
 (flame retardant, Ultrlec P Yelkin SS; liquid fabric softening
 compns. comprising P-containing flame retardant or other
 flame retardant and cationic fabric actives)
- IT Fabric softeners
 Fireproofing agents
 (liquid fabric softening compns. comprising P-containing
 flame retardant or other flame retardant and cationic fabric
 actives)
- IT Phosphorus acids
 RL: MOA (Modifier or additive use); USES (Uses)
 (liquid fabric softening compns. comprising P-containing
 flame retardant or other flame retardant and cationic fabric
 actives)
- IT Quaternary ammonium compounds, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (phosphates, fabric softening actives; liquid fabric softening
 compns. comprising P-containing flame retardant or other
 flame retardant and cationic fabric actives)
- IT 108-78-1, Melamine, uses 1309-42-8, Magnesium hydroxide
 1314-60-9, Antimony pentoxide 1327-33-9, Antimony oxide
 1344-28-1, Aluminum oxide, uses 2781-11-5, Diethyl
 N,N-bis(2-hydroxyethyl)aminomethylphosphonate 7664-38-2,
 Phosphoric acid, uses 7758-29-4, Sodium tripolyphosphate
 7773-06-0, Ammonium sulfamate 7782-91-4, Molybdic acid
 9005-25-8D, Starch, phosphorylated, cationic 10124-31-9,
 Ammonium phosphate 12027-96-2, Zinc hydroxy stannate 12411-64-2,
 Tetraammonium octamolybdate 13269-89-1 13598-36-2, Phosphonic
 acid 13701-59-2, Barium metaborate 21645-51-2, Alumina
 trihydrate, uses 22042-96-2, Dequest 2066 37971-36-1, Dequest
 7000 39467-17-9, Zinc stannate 41583-09-9, Melamine phosphate
 61583-60-6, Zinc molybdate 777943-21-2, Arlasilk Phospholipid PLN
 847185-86-8, Arlasilk Phospholipid PTC 888503-74-0, Arlatone MAP
 230760 888948-72-9 888948-74-1 889445-70-9,
 Arlasilk Phospholipid PTS 889445-71-0, Arlasilk Phospholipid EFA
 RL: MOA (Modifier or additive use); USES (Uses)
 (liquid fabric softening compns. comprising
 P-containing flame retardant or other flame retardant and cationic
 fabric actives)

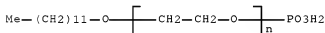
L41 ANSWER 2 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2006:402363 HCAPLUS Full-text
 DOCUMENT NUMBER: 144:434427
 TITLE: Processing agents and methods for
 treating synthetic fibers
 INVENTOR(S): Yamakita, Hiroshi; Toda, Atsushi
 PATENT ASSIGNEE(S): Takemoto Yushi Kabushiki Kaisha, Japan
 SOURCE: Eur. Pat. Appl., 21 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1652996	A2	20060503	EP 2005-256560	20051021
EP 1652996	A3	20070808	<--	
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, BA, HR, IS, YU				
JP 2006152526	A	20060615	JP 2005-239278	20050822
KR 2006054061	A	20060522	KR 2005-97911	20051018
US 2006093747	A1	20060504	US 2005-261209	20051027
CN 1769581	A	20060510	CN 2005-1021110	20051102
PRIORITY APPLN. INFO.:			JP 2004-319141	A 20041102
			JP 2005-239278	A 20050822

AB A processing agent for synthetic fibers contains four specified kinds of component (Components A, B, C and D), each in a specified amount, and also in a specified total amount, so as to have the improved characteristics of preventing the occurrence of fluffs, yarn breaking and uneven dyeing when applied to synthetic fibers in a specified amount. Component A is ≥ 1 alkylene oxide addition compound simultaneously satisfying Conditions 1, 2 and 3, wherein Condition 1 is the condition of having a number average mol. weight of 1,000-12,000 and being obtainable by adding alkylene oxide(s) with 2-4 carbon atoms to monohydric-trihydric aliphatic alc.(s) with 1-24 carbon atoms, Condition 2 is the condition of having polyoxyalkylene groups comprising oxyalkylene units of which 10-80% are oxyethylene units, and Condition 3 is

the condition of containing 35% or more of alkyleneoxide addition compds. obtainable by adding ethylene oxide and propylene oxide 45 to monohydric aliphatic alc.(s) with 6-10 carbon atoms. Component B is ≥ 1 alkyleneoxide addition compound with a number average mol. weight of 140-800 and obtainable by adding ethylene oxide or both ethylene oxide and propylene oxide to monohydric aliphatic alc.(s) with 6-10 carbon atoms, having polyoxyalkylene groups of which more than 30 weight % of all constituent oxyalkylene units are oxyethylene units. Component C is ≥ 1 ionic surfactant. Component D is ≥ 1 nonionic surfactant selected ether type non-ionic surfactants, ester type non-ionic surfactants, non-ionic surfactants with a number average mol. weight of 700-10000 and having ethylene oxide and/or propylene oxide added to animal oils and/or vegetable oils; aminoether type non-ionic surfactants, etc.

- IT 65614-55-3 745032-47-7, Tributylmethylammonium
diethyl phosphate 885266-39-7, Potassium tetracosyl
phosphate
RL: TEM (Technical or engineered material use); USES (Uses)
(processing agents and methods for treating synthetic
fibers)
RN 65014-55-3 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), α -phosphono- ω -(dodecyloxy)-,
potassium salt (1:?) (CA INDEX NAME)



- RN 745032-47-7 HCAPLUS
CN 1-Butanaminium, N,N-dibutyl-N-methyl-, diethyl phosphate (1:1) (9CI)
(CA INDEX NAME)

CM 1

CRN 48042-47-3
CMF C4 H10 O4 P



CM 2

CRN 29814-63-9
CMF C13 H30 N



RN 885266-39-7 HCAPLUS
 CN 1-Tetracosanol, phosphate, potassium salt (9CI) (CA INDEX NAME)
 CM 1
 CRN 7664-38-2
 CMF H3 O4 P



CM 2
 CRN 506-51-4
 CMF C24 H50 O



CC 40-7 (Textiles and Fibers)
 ST polyoxyalkylene processing agent synthetic fiber
 IT Castor oil
 RL: TEM (Technical or engineered material use); USES (Uses)
 (hydrogenated, ethoxylated; processing agents and methods for treating synthetic fibers)
 IT Surfactants
 (ionic; processing agents and methods for treating synthetic fibers)
 IT Surfactants
 (nonionic; processing agents and methods for treating synthetic fibers)
 IT Lubricants
 (processing agents and methods for treating synthetic fibers)
 IT Polyester fibers, uses
 Polyesters, uses
 Polyoxyalkylenes, uses
 Synthetic polymeric fibers, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (processing agents and methods for treating synthetic fibers)
 IT 25038-59-9, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (fiber; processing agents and methods for treating

synthetic fibers)

IT 143-18-0 1338-43-8, Sorbitan monooleate 1643-20-5, Dimethyldodecylamine oxide 9002-92-0, Polyoxyethylene lauryl ether 9003-11-6, Ethylene oxide-propylene oxide copolymer 9003-11-6D, Ethylene oxide-propylene oxide copolymer, monoalkyl ethers 9004-96-0 9038-43-1, Ethylene oxide-propylene oxide copolymer monooctadecyl ether 9038-95-3, Ethylene oxide-propylene oxide copolymer butyl ether 26468-86-0, Polyethylene glycol 2-ethylhexyl ether 26912-60-7, Ethylene oxide homopolymer 3,5,5-trimethylhexyl ether 31017-83-1, N,N-Bis(poxyoxyethylene)dodecanamide 31587-78-7, N,N-Bis(poxyoxyethylene)dodecanamide 31726-34-8, Polyethylene glycol hexyl ether 37251-67-5, Ethylene oxide-propylene oxide copolymer monodecyl ether 37311-00-5, Ethylene oxide-propylene oxide copolymer dodecyl ether 52232-09-4, Ethylene oxide-propylene oxide copolymer monohexyl ether 52624-57-4, Ethylene oxide-propylene oxide copolymer ether with trimethylolpropane 64366-70-7, Ethylene oxide-propylene oxide copolymer 2-ethylhexyl ether 65014-55-3 70679-32-2, Potassium decanesulfonate 651026-42-5, Ethylene oxide homopolymer 2-methyloctyl ether 745032-47-7, Tributylmethylammonium diethyl phosphate 870530-81-7, Ethylene oxide-propylene oxide copolymer monoisohexadecyl ether 885266-38-6, Butylene oxide-ethylene oxide-propylene oxide copolymer 2-ethylhexyl ether 885266-39-7, Potassium tetracosyl phosphate 885315-39-9

RL: TEM (Technical or engineered material use); USES (Uses) (processing agents and methods for treating synthetic fibers)

L41 ANSWER 3 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:363570 HCAPLUS [Full-text](#)

DOCUMENT NUMBER: 144:414200

TITLE: Finishing composition for ionized performance fabric

INVENTOR(S): Short, Dan C.; Strahl, Wolfgang A.; Davis, Ellis, Jr.; Turner, John D.

PATENT ASSIGNEE(S): Short, Dan, C., USA; Strahl, Wolfgang, A.; Turner, John, D.

SOURCE: PCT Int. Appl., 24 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006042055	A2	20060420	WO 2005-US36060	20051007
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WO 2006042055	A3	20061012		
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RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU,				

IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR,
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,
 TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
 ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

CA 2583356 A1 20060420 CA 2005-2583356

200510
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US 2006234903 A1 20061019 US 2005-246536

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EP 1799802 A2 20070627 EP 2005-803758

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R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU,
 IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK,
 TR, AL, BA, HR, MK, YU

PRIORITY APPLN. INFO.:

US 2004-616999P P

200410
08

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WO 2005-US36060 W

200510
07

AB A composition for treating fabric includes about 0.1 to about 10.0 %
 crosslinking agent, about 0.1 to about 5.0 % polyolefin, about 0.1 to about
 0.5 % wetting agent, about 0.0 to about 8.0 % amino functional silicone, about
 0.0 to about 6.0 % ionizing agent, about 0.0 to about 2.0 % catalyst and any
 remainder as a carrier. The composition has a pH of between about 2.0 to
 about 4.0 and at least some aminofunctional silicone and/or ionizing agent is
 provided.

IT 7681-53-0, Sodium hypophosphite

RL: TEM (Technical or engineered material use); USES (Uses)
 (Crosslink WC 205; finishing composition for ionized
 performance fabric)

RN 7681-53-0 HCAPLUS

CN Phosphinic acid, sodium salt (1:1) (CA INDEX NAME)

==PH2-OH

● Na

IT 7601-54-9, Sodium phosphate

RL: CAT (Catalyst use); USES (Uses)
 (finishing composition for ionized performance
 fabric)

RN 7601-54-9 HCAPLUS

CN Phosphoric acid, sodium salt (1:3) (CA INDEX NAME)



●3 Na

IT 7632-05-5 7722-76-1, Ammonium dihydrogen phosphate
 RL: TEM (Technical or engineered material use); USES (Uses)
 (finishing composition for ionized performance fabric)
 RN 7632-05-5 HCAPLUS
 CN Phosphoric acid, sodium salt (1:?) (CA INDEX NAME)

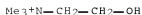


●x Na

RN 7722-76-1 HCAPLUS
 CN Phosphoric acid, ammonium salt (1:1) (CA INDEX NAME)

●NH₃

IT 67-48-1, Choline chloride
 RL: TEM (Technical or engineered material use); USES (Uses)
 (ionizing agent; finishing composition for ionized performance fabric)
 RN 67-48-1 HCAPLUS
 CN Ethanaminium, 2-hydroxy-N,N,N-trimethyl-, chloride (1:1) (CA INDEX NAME)

●Cl⁻

CC 40-9 (Textiles and Fibers)
 ST textile finishing compn amine contg silicone

2/8/2008

- IT Polysiloxanes, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (amine group-containing; finishing composition for ionized
 performance fabric)
- IT Textiles
 (cellulose-synthetic fiber; finishing composition for
 ionized performance fabric)
- IT Textiles
 (cellulosic; finishing composition for ionized performance
 fabric)
- IT Textiles
 (cotton; finishing composition for ionized performance
 fabric)
- IT Acrylic fibers, uses
 Polyamide fibers, uses
 Polyester fibers, uses
 Rayon, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (fabrics; finishing composition for ionized performance
 fabric)
- IT Fabric finishing agents
 (finishing composition for ionized performance fabric)
- IT Polyoxyalkylenes, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (finishing composition for ionized performance fabric)
- IT Textiles
 (linen; finishing composition for ionized performance
 fabric)
- IT Polyethers, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (polyester-, block; finishing composition for ionized
 performance fabric)
- IT Polyesters, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (polyether-, block; finishing composition for ionized
 performance fabric)
- IT 7681-53-0, Sodium hypophosphite
 RL: TEM (Technical or engineered material use); USES (Uses)
 (Crosslink WC 205; finishing composition for ionized
 performance fabric)
- IT 7440-44-0, Activated carbon, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (activated; finishing composition for ionized performance
 fabric)
- IT 77-92-9, Citric acid, uses 1703-58-8, Butanetetra-carboxylic acid
 26099-09-2, Polymaleic acid
 RL: TEM (Technical or engineered material use); USES (Uses)
 (cross linking agent; finishing composition for
 ionized performance fabric)
- IT 497-19-8, Sodium carbonate, uses 1310-73-2, Sodium hydroxide, uses
 7631-54-9, Sodium phosphate 313063-50-2, Catalyst 531
 RL: CAT (Catalyst use); USES (Uses)
 (finishing composition for ionized performance
 fabric)
- IT 3923-79-3, Fixapret NF 5329-14-6D, Sulfamic acid, optional salt
 7632-05-5 7664-38-2, Phosphoric acid, uses 7664-41-7,
 Ammonia, uses 7722-76-1, Ammonium dihydrogen phosphate
 7773-06-0, Ammonium sulfamate 9002-88-4, Polyethylene 9003-07-0,
 Polypropylene 13770-91-7, Magnesium sulfamate 13845-18-6, Sodium
 sulfamate 25322-68-3D, Polyethylene glycol, copolymers with

polyester 29132-58-9, Maleic acid-acrylic acid copolymer
 349656-81-1, Silfin WHP 507485-67-8, WetAid NRW 507485-68-9,
 Ultrasoft NPE 40 876564-47-5, Permafresh TG 883725-41-5,
 Supercotton 102 883725-44-8, Crosslink RB 105

RL: TEM (Technical or engineered material use); USES (Uses)
 (finishing composition for ionized performance
 fabric)

IT 57-13-6, Urea, uses 107-22-2, Glyoxal 1320-50-9, Dimethylurea
 1854-26-8, Dimethyldihydroxyethyleneurea

RL: TEM (Technical or engineered material use); USES (Uses)
 (fixative; finishing composition for ionized performance
 fabric)

IT 57-48-1, Choline chloride

RL: TEM (Technical or engineered material use); USES (Uses)
 (ionizing agent; finishing composition for ionized
 performance fabric)

L41 ANSWER 4 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:1283176 HCAPLUS Full-text

DOCUMENT NUMBER: 144:23952

TITLE: Processing agents and spun synthetic
 fibers treated with combination of finishing
 agents

INVENTOR(S): Yamakita, Hiroshi; Aratani, Satoshi

PATENT ASSIGNEE(S): Takemoto Yushi Kabushiki Kaisha, Japan

SOURCE: Eur. Pat. Appl., 26 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1602778	A1	20051207	EP 2005-253405	20050602
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, BA, HR, IS, YU				
KR 2006049454	A	20060519	KR 2005-44132	20050525
<--				
US 2005268403	A1	20051208	US 2005-139081	20050526
<--				
US 7208017	B2	20070424		
JP 2006016744	A	20060119	JP 2005-158262	20050531
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CN 1704522	A	20051207	CN 2005-10074263	20050603
<--				
IN 2005DE01446	A	20070824	IN 2005-DE1446	

200506
03

PRIORITY APPLN. INFO.:

JP 2004-165233

A

200406
03

OTHER SOURCE(S): MARPAT 144:23952

AB A processing agent for synthetic fibers contains 4 specified kinds of components (Components A, B, C and D) each to have improved characteristics of preventing occurrence of fluffs, yard breaking and uneven dyeing when applied to synthetic fibers at a specified rate.

IT 107008-33-3, Trimethyloctylammonium octyl phosphate
 RL: TEM (Technical or engineered material use); USES (Uses)
 (aqueous combined finishing agent solution for synthetic
 fibers having fewer yarn breaks, fluffs, and
 uneven dyeing)

RN 107008-33-3 HCAPLUS

CN 1-Octanaminium, N,N,N-trimethyl-, octyl phosphate (1:1) (CA INDEX
 NAME)

CM 1

CRN 45102-33-8

CMF C8 H18 O4 P

Me-(CH₂)₇-O-PO₃H⁻

CM 2

CRN 15461-38-8

CMF C11 H26 N

Me-(CH₂)₇-N⁺Me₃

IC ICM D06M013-17
 ICS D06M013-292; D06M015-647; D06M013-252; D06M015-53; D06M013-165;
 C10M141-10

CC 40-9 (Textiles and Fibers)

IT Alcohols, uses

RL: TEM (Technical or engineered material use); USES (Uses)
 (alkoxylated; aqueous combined finishing agent solution for
 synthetic fibers having fewer yarn breaks, fluffs, and uneven
 dyeing)

IT Antioxidants

Antistatic agents

Emulsifying agents

Fabric finishing agents

Lubricants

Surfactants

(aqueous combined finishing agent solution for synthetic
 fibers having fewer yarn breaks, fluffs, and uneven dyeing)

IT Polyester fibers, uses

2/8/2008

Polyesters, uses

RL: PEP (Physical, engineering or chemical process); PYP (Physical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)

(aqueous combined finishing agent solution for synthetic fibers having fewer yarn breaks, fluffs, and uneven dyeing)

IT Castor oil

RL: TEM (Technical or engineered material use); USES (Uses)

(hydrogenated, ethoxylated; aqueous combined finishing agent solution for synthetic fibers having fewer yarn breaks, fluffs, and uneven dyeing)

IT Polysiloxanes, uses

RL: POF (Polymer in formulation); TEM (Technical or engineered material use); USES (Uses)

(polyoxyalkylene-; aqueous combined finishing agent solution for synthetic fibers having fewer yarn breaks, fluffs, and uneven dyeing)

IT Polyoxyalkylenes, uses

RL: POF (Polymer in formulation); TEM (Technical or engineered material use); USES (Uses)

(polysiloxane-; aqueous combined finishing agent solution for synthetic fibers having fewer yarn breaks, fluffs, and uneven dyeing)

IT 119-47-1 123-28-4, Dilauryl 3,3'-thiodipropionate 136-26-5
143-18-0 1338-39-2, Sorbitan monolaurate 3164-55-4, Octyl
diphenyl phosphite 9003-11-6 9004-98-2 9038-95-3, Ethylene
oxide-propylene oxide copolymer monobutyl ether 9082-00-2,
Ethylene oxide-propylene oxide copolymer glycerin ether 20292-09-5
37311-00-5, Ethylene oxide-propylene oxide copolymer monododecyl
ether 37311-01-6, Ethylene oxide-propylene oxide copolymer
monohexadecyl ether 37311-02-7, Ethylene oxide-propylene oxide
copolymer monoctyl ether 37311-04-9, Ethylene oxide-propylene
oxide copolymer monotetradecyl ether 40601-76-1 52624-57-4,
Trimethylolpropane ether with ethylene oxide-propylene oxide
copolymer 70679-32-2, Potassium decanesulfonate 70844-97-2
85502-67-6 107908-33-3, Trimethyloctylammonium octyl
phosphate 202075-06-7, Ethylene oxide-propylene oxide copolymer
methyl octadecyl ether 870530-81-7, Ethylene oxide-propylene oxide
copolymer monoisohexadecyl ether

RL: TEM (Technical or engineered material use); USES (Uses)
(aqueous combined finishing agent solution for synthetic
fibers having fewer yarn breaks, fluffs, and
uneven dyeing)

IT 25038-59-9, uses

RL: PEP (Physical, engineering or chemical process); PYP (Physical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)

(fiber; aqueous combined finishing agent solution for synthetic fibers having fewer yarn breaks, fluffs, and uneven dyeing)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN
THE RE FORMAT

L41 ANSWER 5 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:1125722 HCAPLUS Full-text

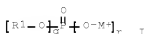
DOCUMENT NUMBER: 142:76090

TITLE: Organic phosphate and fatty acid lithium
salt-containing process agent and
method for synthetic fiber

2/8/2008

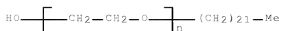
INVENTOR(S): Inagaki, Kuniyasu; Minafuji, Makoto
 PATENT ASSIGNEE(S): Takemoto Oil and Fat Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
JP 2004360082	A	20041224	JP 2003-156215	20030602
			<--	
PRIORITY APPLN. INFO.:			JP 2003-156215	20030602
			<--	
OTHER SOURCE(S):	MARPAT 142:76090			
GI				



- AB Title treatment agent for synthetic fibers, such as PET polyester fibers, is composed of an organic phosphate (I), wherein R1 = C12-22 hydrocarbon or R2-O-X- (R2 = C12-22 hydrocarbon, X = 1-5 oxyethylene and/or oxypropylene group), M+ = H+, Li+ or K+, q, r = 1 or 2, and q + r = 3, and, optionally, a polyoxyalkylene based anionic surfactant. Thus, 70% potassium stearyl phosphate prepared from stearyl alc., phosphoric anhydride, and KOH, 25% anionic surfactant composed of polyoxyethylene lauryl ether and polyoxyethylene mono- α -nonylphenol ether, and 5% mixt. comprising paraffin wax and trimethyloctylammonium lauryl phosphate were mixed to obtain a treatment agent for polyester fibers.
- IT 39464-65-8DP, mixed lithium and potassium salts
 39464-66-9DP, mixed lithium and potassium salts
 39464-69-2DP, mixed lithium and potassium salts
 50643-20-4DP, mixed lithium and potassium salts
 62362-49-6DP, mixed lithium and potassium salts
 66987-29-1F, Potassium stearyl phosphate
 211555-19-0P
- RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (organic phosphate and fatty acid lithium salt-containing process agent for polyester fibers)
- RN 39464-65-8 HCAPLUS
- CN Poly(oxy-1,2-ethanediyl), α -docosyl- ω -hydroxy-, phosphate (9CI) (CA INDEX NAME)
- CM 1
- CRN 26636-40-8
- CMF (C2 H4 O)n C22 H46 O

CCI PMS



CM 2

CRN 7664-38-2

CMF H3 O4 P



RN 39464-66-9 HCAPLUS

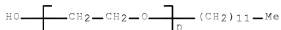
CN Poly(oxy-1,2-ethanediyl), α -dodecyl- ω -hydroxy-,
phosphate (CA INDEX NAME)

CM 1

CRN 9002-92-0

CMF (C2 H4 O)_n C12 H26 O

CCI PMS



CM 2

CRN 7664-38-2

CMF H3 O4 P



RN 39464-69-2 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), α -(9Z)-9-octadecen-1-yl- ω -
hydroxy-, phosphate (CA INDEX NAME)

CM 1

CRN 9004-98-2

2/8/2008

CMF (C2 H4 O)n C18 H36 O
 CCI PMS



CM 2

CRN 7664-38-2

CMF H3 O4 P



RN 50643-20-4 HCAPLUS

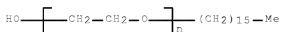
CN Poly(oxy-1,2-ethanediyl), α -hexadecyl- ω -hydroxy-,
 phosphate (CA INDEX NAME)

CM 1

CRN 9004-95-9

CMF (C2 H4 O)n C16 H34 O

CCI PMS



CM 2

CRN 7664-38-2

CMF H3 O4 P

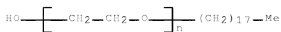


RN 62362-49-6 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), α -octadecyl- ω -hydroxy-,
 phosphate (CA INDEX NAME)

CM 1

CRN 9005-00-9
 CMF (C2 H4 O)_n C18 H38 O
 CCI PMS



CM 2

CRN 7664-38-2
 CMF H3 O4 P



RN 68987-29-1 HCAPLUS
 CN 1-Octadecanol, phosphate, potassium salt (CA INDEX NAME)

CM 1

CRN 7664-38-2
 CMF H3 O4 P

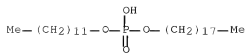


CM 2

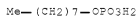
CRN 112-92-5
 CMF C18 H38 O



RN 211555-19-0 HCAPLUS
 CN Phosphoric acid, monododecyl mono-octadecyl ester, potassium salt
 (9CI) (CA INDEX NAME)



IT 52215-22-2, Potassium octylphosphate 514857-53-5
 RL: TEM (Technical or engineered material use); USES (Uses)
 (organic phosphate and fatty acid lithium salt-containing process
 agent for polyester fibers)
 RN 52215-22-2 HCAPLUS
 CN Phosphoric acid, mono-octyl ester, potassium salt (1:?) (CA INDEX
 NAME)



RN 514857-53-5 HCAPLUS
 CN 1-Octanaminium, N,N,N-trimethyl-, dodecyl phosphate (1:1) (9CI) (CA
 INDEX NAME)
 CM 1
 CRN 82638-50-4
 CMF C12 H26 O4 P



CM 2
 CRN 15461-38-8
 CMF C11 H26 N



IC ICM D06M013-292
 ICS D06M101-32
 CC 40-7 (Textiles and Fibers)
 IT Surfactants
 (anionic; organic phosphate and fatty acid lithium salt-containing
 process agent for polyester fibers)
 IT Polyester fibers, processes
 Polyesters, processes
 RL: PEP (Physical, engineering or chemical process); PYP (Physical

- process); PROC (Process)
(organic phosphate and fatty acid lithium salt-containing process agent for polyester fibers)
- IT Paraffin waxes, uses
Phosphates, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(organic phosphate and fatty acid lithium salt-containing process agent for polyester fibers)
- IT 31900-57-9, Polydimethylsiloxane
RL: TEM (Technical or engineered material use); USES (Uses)
(assumed monomers; organic phosphate and fatty acid lithium salt-containing process agent for polyester fibers)
- IT 25038-59-9, PET polymer, processes
RL: PEP (Physical, engineering or chemical process); PYP (Physical process); PROC (Process)
(fibers; organic phosphate and fatty acid lithium salt-containing process agent for polyester fibers)
- IT 12751-23-4DP, mixed lithium and potassium salts 39464-65-8DP, mixed lithium and potassium salts 39464-66-9DP, mixed lithium and potassium salts 39464-69-2DP, mixed lithium and potassium salts 50643-20-4DP, mixed lithium and potassium salts 62362-49-6DP, mixed lithium and potassium salts 68814-13-1DP, mixed lithium and potassium salts 68987-29-1P, Potassium stearyl phosphate 69029-24-9DP, mixed lithium and potassium salts 76930-22-8DP, mixed lithium and potassium salts 211555-19-6P 811863-85-1P 812652-28-1P 812652-30-5P 812652-32-7P 812652-34-9P
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(organic phosphate and fatty acid lithium salt-containing process agent for polyester fibers)
- IT 112-92-5, Stearyl alcohol 1314-56-3, Phosphoric anhydride, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(organic phosphate and fatty acid lithium salt-containing process agent for polyester fibers)
- IT 9002-92-0, Polyoxyethylene monolauryl ether 9004-81-3, Polyoxyethylene laurate 9004-96-0, Polyoxyethylene oleate 9005-00-9, Polyoxyethylene stearyl ether 9016-00-6, Polydimethylsiloxane 9016-45-9, Polyoxyethylene mono- α -nonylphenol ether 22413-03-2, Behenyl stearate 25190-01-6 37311-00-5, Ethylene oxide-propylene oxide copolymer, monolauryl ether 52215-22-2, Potassium octylphosphate 514857-53-5
RL: TEM (Technical or engineered material use); USES (Uses)
(organic phosphate and fatty acid lithium salt-containing process agent for polyester fibers)

L41 ANSWER 6 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:872867 HCAPLUS Full-text

DOCUMENT NUMBER: 141:351406

TITLE: Quaternary ammonium salt and phosphate-containing water permeability imparting agent and water permeable fibers prepared thereby

INVENTOR(S): Kitaguchi, Hidetoshi; Fujimoto, Yoshiharu; Komeda, Haruhiko; Kita, Setsuo; Nakamura, Yoshishige

PATENT ASSIGNEE(S): Matsumoto Yushi-Seiyaku Co., Ltd., Japan

SOURCE: PCT Int. Appl., 20 pp.

2/8/2008

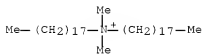
DOCUMENT TYPE: CODEN: PIXXD2
 LANGUAGE: Patent
 FAMILY ACC. NUM. COUNT: 1 Japanese
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004090221	A1	20041021	WO 2004-JP4498	20040330
<p>W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW</p> <p>RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG</p>				
DE 112004000559	T5	20060302	DE 2004-112004000559	20040330
CN 1771364	A	20060510	CN 2004-80009404	20040330
US 2006182965	A1	20060817	US 2005-551149	20050929
PRIORITY APPLN. INFO.:			JP 2003-130895	A
			WO 2004-JP4498	W
				20040330
OTHER SOURCE(S): MARPAT 141:351406				
AB	Water permeability imparting agent for nonwoven fabrics and hydrophobic synthetic fibers, such as polyolefin fibers, comprises quaternary ammonium salts and phosphates, and, optionally, polyoxylakylene denatured silicones, and water permeable fibers or fiber products comprising water permeability imparting agent in an amount of 0.1-2.0 weight% are also provided. Thus, dilauryldimethyl ammonium chloride 40 and polyoxyethylene lauryl ether phosphate diethanolammonium salt 60 weight% were mixed to obtain a water permeability imparting agent for hydrophobic polypropylene fibers.			
IT	i07-64-2, Distearyltrimethyl ammonium chloride 3461-74-9, Dilauryldimethyl ammonium chloride i7301-53-0, Behenyltrimethyl ammonium chloride 60267-55-2, Polyoxyethylene cetyl ether phosphate potassium salt 61837-80-7 777984-11-4, Polyoxyethylene decyl ether phosphate diethanolammonium salt			

RL: TEM (Technical or engineered material use); USES (Uses)
 (quaternary ammonium salt and phosphate-containing water permeability
 imparting agent for nonwoven fabrics
 and hydrophobic synthetic fibers)

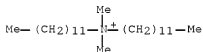
RN 107-64-2 HCAPLUS

CN 1-Octadecanaminium, N,N-dimethyl-N-octadecyl-, chloride (1:1) (CA
 INDEX NAME)



RN 3401-74-9 HCAPLUS

CN 1-Dodecanaminium, N,N-dimethyl-, chloride (1:1) (CA INDEX
 NAME)



RN 17301-53-0 HCAPLUS

CN 1-Docosanaminium, N,N,N-trimethyl-, chloride (1:1) (CA INDEX NAME)



RN 60267-55-2 HCAPLUS

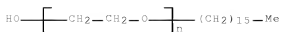
CN Poly(oxy-1,2-ethanediyl), α -hexadecyl- ω -hydroxy-,
 phosphate, potassium salt (9CI) (CA INDEX NAME)

CM 1

CRN 9004-95-9

CMF (C2 H4 O)_n C16 H34 O

CCI PMS



CM 2

CRN 7664-38-2

CMF H3 O4 P



RN 61837-80-7 HCAPLUS

CN Ethanol, 2,2'-iminobis-, compd. with α -dodecyl- ω -hydroxypoly(oxy-1,2-ethanediyl) phosphate (CA INDEX NAME)

CM 1

CRN 111-42-2

CMF C4 H11 N O2



CM 2

CRN 39464-66-9

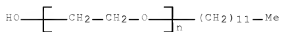
CMF (C2 H4 O)_n C12 H26 O . x H3 O4 P

CM 3

CRN 9002-92-0

CMF (C2 H4 O)_n C12 H26 O

CCI PMS



CM 4

CRN 7664-38-2

CMF H3 O4 P



RN 777084-11-4 HCAPLUS

CN Ethanol, 2,2'-iminobis-, compd. with α -decyl- ω -hydroxypoly(oxy-1,2-ethanediyl) phosphate (9CI) (CA INDEX NAME)

CM 1

CRN 111-42-2

CMF C4 H11 N O2



CM 2

CRN 52019-36-0

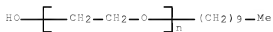
CMF (C2 H4 O)n C10 H22 O . x H3 O4 P

CM 3

CRN 26183-52-8

CMF (C2 H4 O)n C10 H22 O

CCI PMS



CM 4

CRN 7664-38-2

CMF H3 O4 P



IC ICM D06M013-463

CC 40-10 (Textiles and Fibers)

ST dilauryldimethyl ammonium chloride water permeability imparting agent polyolefin fiber; polyoxyethylene lauryl ether phosphate diethanolammonium water permeability imparting agent

2/8/2008

- IT Polysiloxanes, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (polyoxyalkylene-, graft; quaternary ammonium salt and
 phosphate-containing water permeability imparting agent for
 nonwoven fabrics and hydrophobic synthetic fibers)
- IT Polyoxyalkylenes, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (polysiloxane-, graft; quaternary ammonium salt and
 phosphate-containing water permeability imparting agent for
 nonwoven fabrics and hydrophobic synthetic fibers)
- IT Nonwoven fabrics
 (quaternary ammonium salt and phosphate-containing water permeability
 imparting agent for nonwoven fabrics and hydrophobic
 synthetic fibers)
- IT Polyolefin fibers
 Polypropylene fibers, processes
 RL: PEP (Physical, engineering or chemical process); PYP (Physical
 process); PROC (Process)
 (quaternary ammonium salt and phosphate-containing water permeability
 imparting agent for nonwoven fabrics and hydrophobic
 synthetic fibers)
- IT Phosphates, uses
 Polyoxyalkylenes, uses
 Quaternary ammonium compounds, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (quaternary ammonium salt and phosphate-containing water permeability
 imparting agent for nonwoven fabrics and hydrophobic
 synthetic fibers)
- IT 25085-53-4, Isotactic polypropylene
 RL: PEP (Physical, engineering or chemical process); PYP (Physical
 process); TEM (Technical or engineered material use); PROC
 (Process); USES (Uses)
 (quaternary ammonium salt and phosphate-containing water permeability
 imparting agent for nonwoven fabrics and hydrophobic
 synthetic fibers)
- IT 107-64-2, Distearyltrimethyl ammonium chloride
 3401-74-9, Dilauryldimethyl ammonium chloride
 17301-53-0, Behenyltrimethyl ammonium chloride
 25322-68-3D, polysiloxane grafted 60267-55-2,
 Polyoxyethylene cetyl ether phosphate potassium salt
 61837-80-7 777084-11-4, Polyoxyethylene decyl
 ether phosphate diethanolammonium salt
 RL: TEM (Technical or engineered material use); USES (Uses)
 (quaternary ammonium salt and phosphate-containing water permeability
 imparting agent for nonwoven fabrics
 and hydrophobic synthetic fibers)
- REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR
 THIS RECORD. ALL CITATIONS AVAILABLE IN
 THE RE FORMAT

L41 ANSWER 7 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:722471 HCAPLUS [Full-text](#)
 DOCUMENT NUMBER: 141:227285
 TITLE: Removal of hard special stains from linen
 articles with effective removal of the stains
 from the articles, by cleaning stained fiber
 products with washing water containing
 nitrogen-containing surfactants and bleaching
 agents
 INVENTOR(S): Goda, Keiji

2/8/2008

PATENT ASSIGNEE(S): Nikka Chemical Industry Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004244732	A	20040902	JP 2003-32662	20030210

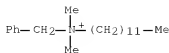
PRIORITY APPLN. INFO.: <--
 JP 2003-32662
 20030210

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 AB The cleaned fiber products are prepared by washing stained fiber products with washing water containing nitrogen-containing surfactants (A) and bleaching agents, or the cleaned fiber products are prepared by the above step using cationic surfactants, amphoteric surfactants, or nonionic surfactants as A nitrogen-containing surfactants, or the cleaned fiber products are prepared by the above step using NaOCl or Na2S2O4 as the bleaching agent, or the cleaned products are prepared by the above step using chemical-adhered laundry materials or diapers with yellow stains as the stained fiber products. A diaper was washed with an aqueous solution containing 1 g/L trimethylstearylammmonium chloride and 1 g/L NaOCl for 10 min at 80° in an automatic laundry machine to a give cleaned diaper showing stain removal rating (5 complete stain removal, 1 almost no stain removal) 5.
 IT 112-03-8, Stearyltrimethylammmonium chloride 139-07-1
 , Laurylbenzyltrimethylammmonium chloride 144527-20-8
 RL: MOA (Modifier or additive use); PRP (Properties); USES (Uses)
 (surfactant; hard special stain removal from linen articles with effective removal of the stains from the articles, by cleaning stained fiber products with washing water containing nitrogen-containing surfactants and bleaching agents)
 RN 112-03-8 HCAPLUS
 CN 1-Octadecanaminium, N,N,N-trimethyl-, chloride (1:1) (CA INDEX NAME)

Me3N—(CH2)17—Me

● Cl—

RN 139-07-1 HCAPLUS
 CN Benzenemethanaminium, N-dodecyl-N,N-dimethyl-, chloride (1:1) (CA INDEX NAME)



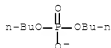
RN 144527-20-8 HCAPLUS

CN 1-Dodecanaminium, N-(2-hydroxyethyl)-N,N-dimethyl-, dibutyl phosphate (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 32288-01-0

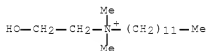
CMF C8 H18 O4 P



CM 2

CRN 1190-82-5

CMF C16 H36 N O



IC ICM D06L003-08

ICS C11D001-62; C11D001-75; C11D001-90; C11D003-395; C11D017-08

CC 46-5 (Surface Active Agents and Detergents)

Section cross-reference(s): 40, 63

ST linen article laundering stain removal quaternary ammonium compd surfactant; diaper laundering stain removal quaternary ammonium compd surfactant; sodium hypochlorite bleaching agent
linen article laundering stain removal; amine oxide surfactant linen article laundering stain removal; cationic surfactant linen article laundering stain removal; amphoteric surfactant linen article laundering stain removal; nonionic surfactant linen article laundering stain removal; surfactant linen article laundering stain removal

IT Surfactants

(amphoteric; removal of hard special stains from linen articles with effective removal of the stains from the articles, by cleaning stained fiber products with washing water containing nitrogen-containing surfactants and bleaching agents)

- IT Surfactants
(cationic; removal of hard special stains from linen articles with effective removal of the stains from the articles, by cleaning stained fiber products with washing water containing nitrogen-containing surfactants and bleaching agents)
- IT Detergents
(cleaning compns.; removal of hard special stains from linen articles with effective removal of the stains from the articles, by cleaning stained fiber products with washing water containing nitrogen-containing surfactants and bleaching agents)
- IT Bleaching agents
(hard special stain removal from linen articles with effective removal of the stains from the articles, by cleaning stained fiber products with washing water containing nitrogen-containing surfactants and bleaching agents)
- IT Surfactants
(nonionic; removal of hard special stains from linen articles with effective removal of the stains from the articles, by cleaning stained fiber products with washing water containing nitrogen-containing surfactants and bleaching agents)
- IT Diapers
Laundering
Stains, coloring materials
Surfactants
Textiles
(removal of hard special stains from linen articles with effective removal of the stains from the articles, by cleaning stained fiber products with washing water containing nitrogen-containing surfactants and bleaching agents)
- IT Amine oxides
Quaternary ammonium compounds, uses
RL: MOA (Modifier or additive use); PRP (Properties); USES (Uses)
(removal of hard special stains from linen articles with effective removal of the stains from the articles, by cleaning stained fiber products with washing water containing nitrogen-containing surfactants and bleaching agents)
- IT 7681-52-9, Sodium hypochlorite 7722-84-1, Hydrogen peroxide, uses 7775-14-6, Sodium hydrosulfite 15630-89-4, Sodium percarbonate
RL: MOA (Modifier or additive use); PRP (Properties); USES (Uses)
(bleaching agent; hard special stain removal from linen articles with effective removal of the stains from the articles, by cleaning stained fiber products with washing water containing nitrogen-containing surfactants and bleaching agents)
- IT 112-03-9, Stearyltrimethylammonium chloride 139-07-1, Laurylbenzyltrimethylammonium chloride 820-66-6, Octadecyltrimethylbetaine 144527-20-8
RL: MOA (Modifier or additive use); PRP (Properties); USES (Uses)
(surfactant; hard special stain removal from linen articles with effective removal of the stains from the articles, by cleaning stained fiber products with washing water containing nitrogen-containing surfactants and bleaching agents)
- IT 683-10-3, Dodecyltrimethylbetaine 1643-20-5, Dodecyltrimethylamine oxide 3546-96-1 10471-50-8 137817-87-9
RL: MOA (Modifier or additive use); PRP (Properties); USES (Uses)
(surfactant; removal of hard special stains from linen articles with effective removal of the stains from the articles, by cleaning stained fiber products with washing water containing nitrogen-containing surfactants and bleaching agents)

L41 ANSWER 8 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:159349 HCAPLUS Full-text
 DOCUMENT NUMBER: 140:204789
 TITLE: Keratin fiber F layer damage-repairing agents and hair conditioners containing them
 INVENTOR(S): Ito, Taketoshi; Aono, Megumi; Yokomaku, Atsushi; Nishida, Yuichi
 PATENT ASSIGNEE(S): Lion Corp., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp. CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

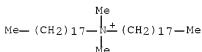
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004059559	A	20040226	JP 2002-255810	20020730

PRIORITY APPLN. INFO.: JP 2002-255810
 20020730

AB Hair conditioners contain keratin fiber F layer damage-repairing agents containing components (A) having phenolic OH and/or sugar residues and octanol/water partition coefficient (logP) <0 and components (B) having C₂₄ alkyl chains and/or silicone chains (number of Si atoms ≥4) and logP ≥0.01 at A:B molar ratios of 10:1 to 1:20. A composition containing diglucosylgallic acid 0.5, Arquad T-800 (stearyltrimethylammonium chloride; logP >0.01) 1, EtOH 20, and H₂O to 100 weight% effectively repaired human hair damaged by bleaching.

IT 107-64-2, Distearyltrimethylammonium chloride
 112-03-8, Stearyltrimethylammonium chloride
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)

RN 107-64-2 HCAPLUS
 CN 1-Octadecanaminium, N,N-dimethyl-N-octadecyl-, chloride (1:1) (CA INDEX NAME)

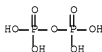


● C1-

RN 112-03-8 HCAPLUS
 CN 1-Octadecanaminium, N,N,N-trimethyl-, chloride (1:1) (CA INDEX NAME)



- IT 7722-88-5, Sodium pyrophosphate
 RL: COS (Cosmetic use); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)
 (sequestering agent; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)
- RN 7722-88-5 HCAPLUS
- CN Diphosphoric acid, sodium salt (1:4) (CA INDEX NAME)



- IC ICM A61K007-06
 ICS A61K007-11
- CC 62-3 (Essential Oils and Cosmetics)
- IT Polysiloxanes, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (Me; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)
- IT Polysiloxanes, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 ([(aminoethyl)amino]propyl hydroxy, di-Me, SM 8704C; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)
- IT Polysiloxanes, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (amino-containing, FZ 4672; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)
- IT Hair preparations
 (conditioners; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)
- IT Polysiloxanes, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (di-Me, hydroxyalkyl Me, ethoxylated, KF 6011; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)
- IT Polysiloxanes, biological studies
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (di-Me, polyoxyethylene-polyoxypropylene-, KF 6012; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)
- IT Human
 Sequestering agents

- (hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)
- IT Carbohydrates, biological studies
Keratins
Phenols, biological studies
Polysiloxanes, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)
- IT Polyoxyalkylenes, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(hydrogenated castor oil derivs.; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)
- IT Castor oil
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(hydrogenated, ethoxylated; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)
- IT Polysiloxanes, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(polyether-, KF 6004; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)
- IT Polysiloxanes, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(polyoxyalkylene-; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)
- IT Polyoxyalkylenes, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(polysiloxane-; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)
- IT Surfactants
(silicones; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)
- IT Polyethers, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(siloxane-, KF 6004; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)
- IT Quaternary ammonium compounds, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(trimethyltallow alkylammonium chlorides, Arquad T 800; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)
- IT 56-86-0D, L-Glutamic acid, N-coco, biological studies
107-64-2, Distearyltrimethylammonium chloride
112-03-8, Stearyltrimethylammonium chloride 121-79-9, Propyl gallate 1323-39-3, Propylene glycol monostearate 1643-20-5, Lauryldimethylamine oxide 9002-92-0, Polyoxyethylene lauryl ether 25322-68-3D, Polyethylene glycol, hydrogenated castor oil derivs. 31566-31-1, Glycerin monostearate 61710-63-2, Polyoxypropylene diglycerol ether 71185-87-0, Hexaglycerol tristearate 79777-30-3, Decaglycerin monostearate 95461-65-7, Hexaglycerol monostearate 102033-55-6, Decaglycerol diisostearate 261510-23-0 307943-21-1 474111-84-7
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)

IT 64-02-8, Tetrasodium edetate 7722-98-5, Sodium pyrophosphate
 RL: COS (Cosmetic use); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)
 (sequestering agent; hair conditioners containing gallates and surfactants or silicones as keratin fiber damage-repairing agents)

L41 ANSWER 9 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:971702 HCAPLUS Full-text

DOCUMENT NUMBER: 140:17759

TITLE: Fabric detergent compositions containing lubricant oil leading to anti-wrinkle, softening and ease of ironing behavior for fabrics

INVENTOR(S): Baines, Fiona Louise; Finch, Timothy David; Peckham, Emily Jane; Roth, Stephane Patrick

PATENT ASSIGNEE(S): Unilever Home & Personal Care USA, Division of Conopco, Inc., USA

SOURCE: U.S. Pat. Appl. Publ., 8 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003228993	A1	20031211	US 2003-457232	20030609
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US 7012059	B2	20060314		
CA 2488245	A1	20031218	CA 2003-2488245	20030425
			<--	
WO 2003104366	A1	20031218	WO 2003-EP4409	20030425
			<--	
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003232213	A1	20031222	AU 2003-232213	20030425
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EP 1511830	A1	20050309	EP 2003-756987	20030425

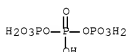
EP 1511830 B1 20060816
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,
 PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU,
 SK
 BR 2003011652 A 20050315 BR 2003-11652 20030425
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 CN 1659262 A 20050824 CN 2003-813298 20030425
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 AT 336563 T 20060915 AT 2003-756987 20030425
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 ES 2268416 T3 20070316 ES 2003-756987 20030425
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 ZA 2004009855 A 20060726 ZA 2004-9855 20041206
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 IN 2004MN00711 A 20051118 IN 2004-MN711 20041209
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 US 2006052275 A1 20060309 US 2005-262406 20051028
 <--
 PRIORITY APPLN. INFO.: GB 2002-13263 A 20020610
 <--
 WO 2003-EP4409 W 20030425
 <--
 US 2003-457232 A1 20030609
 <--
 AB A liquid detergent formulation comprises (a) an effective amount of a nonionic/cationic surfactant system, and (b) no more than 10% wt of a lubricant oil. The incorporation of relatively low levels of lubricants in a unbuilt or poorly built liquid main-wash product suitable for use in US-type washing conditions gives both a softening and an anti-wrinkle benefit following the wash, and the consequence of lubrication leads to anti-wrinkle, softening and ease of ironing behavior, as well as a reduction in long-term fabric damage.
 IT 57-09-0, CTAB
 RL: NUU (Other use, unclassified); TEM (Technical or engineered material use); USES (Uses)
 (cationic surfactant; fabric detergent compns
 . containing lubricant oil)
 RN 57-09-0 HCAPLUS
 CN 1-Hexadecanaminium, N,N,N-trimethyl-, bromide (1:1) (CA INDEX NAME)

2/8/2008

Me₃N—(CH₂)₁₅—Me



IT 7758-29-4, Sodium tripolyphosphate
 RL: TEM (Technical or engineered material use); USES (Uses)
 (detergent builder; fabric detergent compns.
 containing lubricant oil)
 RN 7758-29-4 HCAPLUS
 CN Triphosphoric acid, sodium salt (1:5) (CA INDEX NAME)



IC ICM C11D017-00
 INCL 510276000; 510411000; 510417000; 510504000
 CC 46-6 (Surface Active Agents and Detergents)
 ST fabric detergent compn antiwrinkle softening; lubricant
 oil additive fabric detergent compn antiwrinkle softening
 IT Alcohols, uses
 RL: NUU (Other use, unclassified); TEM (Technical or engineered
 material use); USES (Uses)
 (C12-24, ethoxylated, nonionic surfactant; fabric detergent
 compns. containing lubricant oil)
 IT Quaternary ammonium compounds, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (cationic surfactant; fabric detergent compns. containing
 lubricant oil)
 IT Surfactants
 (cationic; fabric detergent compns. containing lubricant
 oil)
 IT Detergents
 Fabric finishing
 Fabric softeners
 Gossypium hirsutum
 Lubricating oils
 Surfactants
 (fabric detergent compns. containing lubricant oil)
 IT Polyester fibers, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (fabric detergent compns. containing lubricant oil)
 IT Surfactants
 (nonionic; fabric detergent compns. containing lubricant
 oil)
 IT Esters, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (poly-; fabric detergent compns. containing lubricant oil)

2/8/2008

IT 57-09-6, CTAB 359010-09-6, Prapagen HY
 RL: NUU (Other use, unclassified); TEM (Technical or engineered material use); USES (Uses)
 (cationic surfactant; fabric detergent compns. containing lubricant oil)

IT 7758-29-4, Sodium tripolyphosphate
 RL: TEM (Technical or engineered material use); USES (Uses)
 (detergent builder; fabric detergent compns. containing lubricant oil)

IT 1303-96-4, Borax 287924-66-7, Ryoto ER-290
 RL: NUU (Other use, unclassified); TEM (Technical or engineered material use); USES (Uses)
 (fabric detergent compns. containing lubricant oil)

L41 ANSWER 10 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2003:470876 HCAPLUS Full-text
 DOCUMENT NUMBER: 139:54238
 TITLE: Synthetic fiber treatment agent and synthetic fiber treatment method
 INVENTOR(S): Fujimoto, Koji; Yamakita, Hiroshi; Kimura, Fumihiko
 PATENT ASSIGNEE(S): Takemoto Oil and Fat Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 21 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
----- -----	----	-----	-----	
JP 2003171879	A	20030620	JP 2001-374616	200112 07
			<--	
JP 3725467	B2	20051214	JP 2001-374616	200112 07
PRIORITY APPLN. INFO.:				

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AB The agent preventing heater contamination and jumping of traveling threads comprises (A) specified polyoxyalkylene ethers 50-92, (B) specified polyoxyalkylene ethers, polyether esters, and/or polyolefin wax 1-45, and (C) quaternary ammonium salts, organic amine oxides, amphoteric compds., fatty acid salts, organic sulfonate, sulfate and/or phosphate salts 1-20%. The treated fiber exhibits frictional voltage -1500 to +1500 V and stationary friction coefficient (SFC) 0.17-0.33. A composition contained ethylene oxide-propylene oxide copolymer Bu ether 85, ethylene oxide-propylene oxide copolymer ethylene glycol ether 5, and trimethyloctylammonium octylphosphate 10%, giving treated fibers with frictional voltage -700 V and SFC 0.25.

IT 60154-62-3, Tetrabutylammonium malonate, uses
 73018-34-5, Polyoxyethylene octyl ether phosphate potassium salt 167008-33-3, Trimethyloctylammonium octylphosphate 161756-35-6, Potassium tridecyl phosphate 271247-74-6, Tetrabutylammonium isostearate 547695-11-4 547695-12-5
 RL: TEM (Technical or engineered material use); USES (Uses)
 (synthetic fiber treatment agent for preventing heater contamination and jumping of traveling

threads)

RN 60154-62-3 HCAPLUS

CN 1-Butanaminium, N,N,N-tributyl-, propanedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 10549-76-5

CMF C16 H36 N



CM 2

CRN 1000-88-0

CMF C3 H3 O4



RN 73018-34-5 HCAPLUS

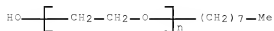
CN Poly(oxy-1,2-ethanediyl), α -octyl- ω -hydroxy-, phosphate, potassium salt (CA INDEX NAME)

CM 1

CRN 27252-75-1

CMF (C2 H4 O)_n C8 H18 O

CCI PMS



CM 2

CRN 7664-38-2

CMF H3 O4 P



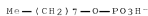
RN 107008-33-3 HCAPLUS

CN 1-Octanaminium, N,N,N-trimethyl-, octyl phosphate (1:1) (CA INDEX NAME)

CM 1

CRN 45102-33-8

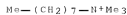
CMF C8 H18 O4 P



CM 2

CRN 15461-38-8

CMF C11 H26 N



RN 161756-35-0 HCAPLUS

CN 1-Tridecanol, phosphate, potassium salt (9CI) (CA INDEX NAME)

CM 1

CRN 7664-38-2

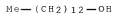
CMF H3 O4 P



CM 2

CRN 112-70-9

CMF C13 H28 O



RN 271247-74-6 HCAPLUS

CN 1-Butanaminium, N,N,N-tributyl-, isooctadecanoate (9CI) (CA INDEX NAME)

CM 1

CRN 126288-66-2

CMF C18 H35 O2
CCI IDS



CM 2
CRN 10549-76-5
CMF C16 H36 N



RN 547695-11-4 HCAPLUS
CN 1-Dodecanaminium, N,N,N-trimethyl-, 1-tetradecanesulfonate (1:1)
(CA INDEX NAME)

CM 1
CRN 75314-82-8
CMF C14 H29 O3 S



CM 2
CRN 10182-91-9
CMF C15 H34 N



RN 547695-12-5 HCAPLUS
CN 1-Butanaminium, N,N-dibutyl-N-methyl-, salt with
pentadecenylbutanedioic acid (2:1) (9CI) (CA INDEX NAME)

CM 1
CRN 29814-63-9
CMF C13 H30 N



CM 2

CRN 236754-82-8

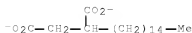
CMF C19 H32 O4

CCI IDS

CM 3

CRN 236754-81-7

CMF C19 H34 O4



IC ICM D06M015-53

ICS D06M013-46

CC 40-7 (Textiles and Fibers)

ST synthetic fiber treatment agent heater contamination;
thread jumping synthetic fiber treatment agent;
polyoxyalkylene ether fiber treatment agent

IT Amphoteric materials

(amphiphilic; synthetic fiber treatment agent for
preventing heater contamination and jumping of traveling threads)

IT Polyoxyalkylenes, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(ethers; synthetic fiber treatment agent for preventing
heater contamination and jumping of traveling threads)

IT Polyoxyalkylenes, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(polyester-, block; synthetic fiber treatment agent for
preventing heater contamination and jumping of traveling threads)

IT Polyesters, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(polyoxyalkylene-, block; synthetic fiber treatment agent
for preventing heater contamination and jumping of traveling
threads)

IT Sulfonic acids, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(salts, organic; synthetic fiber treatment agent for
preventing heater contamination and jumping of traveling threads)

IT Fatty acids, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(salts; synthetic fiber treatment agent for preventing
heater contamination and jumping of traveling threads)

IT Antistatic agents

(synthetic fiber treatment agent for preventing heater
contamination and jumping of traveling threads)

IT Amine oxides

2/8/2008

Quaternary ammonium compounds, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(synthetic fiber treatment agent for preventing heater
contamination and jumping of traveling threads)

IT Polyolefins

RL: TEM (Technical or engineered material use); USES (Uses)
(wax; synthetic fiber treatment agent for preventing
heater contamination and jumping of traveling threads)

IT 14265-44-2, Phosphate, uses 14808-79-8, Sulfate, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(organic; synthetic fiber treatment agent for preventing
heater contamination and jumping of traveling threads)

IT 151-21-3, Sodium dodecylsulfate, uses 1643-20-5,
Dimethylaurylamine oxide 2571-88-2, Dimethylstearyl amine oxide
9002-88-4D, Polyethylene, oxidized 9003-11-6, Ethylene
oxide-propylene oxide copolymer, ethylene glycol ether (2:1)
9010-77-9, Acrylic acid-ethylene copolymer 9038-95-3, Ethylene
oxide-propylene oxide copolymer butyl ether 25155-30-0, Sodium
dodecylbenzenesulfonate 27637-03-2, Ethylene oxide-THF copolymer
31587-08-3, Ethylene oxide-propylene oxide-THF copolymer
52624-57-4, Ethylene oxide-propylene oxide copolymer
trimethylolpropane ether 60154-62-3, Tetrabutylammonium
malonate, uses 60472-63-1, Sodium dodecylsuccinate 63653-71-4,
Ethylene oxide-propylene oxide copolymer monomethyl monobutyl ether
71788-19-7, Dimethyloctylammonium acetate 73018-34-5,
Polyoxyethylene octyl ether phosphate potassium salt 90651-27-7
93920-29-7, Isostearic acid monoethanolamine salt 106392-12-5,
Ethylene oxide-propylene oxide block copolymer, ether with propylene
glycol (2:1) 107008-33-3, Trimethyloctylammonium
octylphosphate 113609-82-8, Ethylene oxide-propylene oxide block
copolymer dodecyl ether 124229-16-9 161756-35-0,
Potassium tridecyl phosphate 169226-31-7, Dimethyl
terephthalate-dimethyl 5-sulfoisophthalate-polyethylene
glycol-ethylene glycol block copolymer 271247-74-6,
Tetrabutylammonium isostearate 547695-09-0 547695-10-3
547695-11-4 547695-12-5 547695-13-6
547713-25-7, Ethylene oxide-THF copolymer monomethyl ether
tetradecanoate 547713-26-8, Ethylene oxide-THF copolymer, ether
with ethylene glycol (2:1), monomethyl ether monoacetate
547713-27-9, Ethylene oxide-propylene oxide copolymer, ether with
trimethylolpropane (3:1), triacetate 547713-28-0, Ethylene
oxide-propylene oxide-THF copolymer succinate (2:1) 547713-29-1,
Ethylene oxide-propylene oxide-THF block copolymer adipate (2:1)
547713-30-4, Ethylene oxide-propylene oxide copolymer, ether with
ethylene glycol (2:1), monomethyl ether monoacetate 547713-31-5,
Ethylene oxide-propylene oxide copolymer, ether with
trimethylolpropane (3:1), diacetate 547713-32-6, Ethylene
oxide-propylene oxide copolymer acetate propionate 547737-53-1
RL: TEM (Technical or engineered material use); USES (Uses)
(synthetic fiber treatment agent for
preventing heater contamination and jumping of traveling
threads)

L41 ANSWER 11 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:349300 HCAPLUS [Full-text](#)

DOCUMENT NUMBER: 138:370238

TITLE: Quaternary ammonium polyoxyethylene phosphate
salts and antistatic agents and
antimicrobial agents containing them

INVENTOR(S): Matsui, Yoshinori; Matsui, Takashi

2/8/2008

PATENT ASSIGNEE(S): Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003128682	A	20030508	JP 2001-320051	20011018

PRIORITY APPLN. INFO.: <--
 JP 2001-320051
 20011018

OTHER SOURCE(S): MARPAT 138:370238
 AB (R1R2R3R4N+)3-n[R5(OC2H4)mO]nP(O)(O-)3-n (I; R1, R2 = C8-18 alkyl, alkenyl; R3, R4 = C1-2 alkyl; R5 = C1-18 alkyl; m = 1-20; n = 1, 2), antistatic agents containing I, and antimicrobial agents containing I are claimed. Antistatic and antimicrobial effects of textiles treated with these agents are wash-resistant. NaOH solution was gradually added to MeOH solution of Cation 20LR (dioleyldimethylammonium chloride) to precipitate NaCl. After stirring for 20 min, H2O was added to the reaction mixture to dissolve NaCl and the mixture was separated. The upper layer was treated with Phosphanol RS 710 [(C12-15 alkyl- (OC2H4)6O]nP(O)(OH)3-n, wherein n = 1, 2] to give quaternary ammonium salt. Cotton knit was treated with aqueous solution of the quaternary ammonium salt at 70° for 30 min, dried at 90°, and heated at 160° for 1 min. Triboelec. potentials of the knit before and after washing 10 times were 200 and 800 V, resp. Wash-resistance of antibacterial effect was also examined
 IT 522613-19-0P, Dioleyldimethylammonium Phosphanol RS 710 salt
 522613-20-3P, Didecyldimethylammonium Phosphanol RS 610 salt
 RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of quaternary ammonium polyoxyethylene phosphate salts as wash-resistant antistatic agents and antimicrobial agents for fabrics)
 RN 522613-19-0 HCAPLUS
 CN 9-Octadecen-1-aminium, N,N-dimethyl-N-(9Z)-9-octadecenyl-, (9Z)-, salt with Phosphanol RS 710 (9CI) (CA INDEX NAME)

CM 1

CRN 522609-18-3
 CMF Unspecified
 CCI MAN

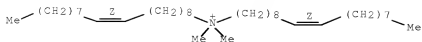
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 2

CRN 45315-43-3
 CMF C38 H76 N

Double bond geometry as shown.

2/8/2008



RN 522613-20-3 HCAPLUS

CN 1-Decanaminium, N-decyl-N,N-dimethyl-, salt with
 α -tridecyl- ω -hydroxypoly(oxy-1,2-ethanediyl) phosphate
 (9CI) (CA INDEX NAME)

CM 1

CRN 522613-09-8

CMF Unspecified

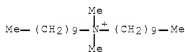
CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 2

CRN 20256-56-8

CMF C22 H48 N



IT 7173-51-5, Bardac 2280 7212-69-3, Cation 20LR

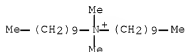
9046-01-9, Phosphanol RS 610

RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of quaternary ammonium polyoxyethylene phosphate salts as
 wash-resistant antistatic agents and antimicrobial
 agents for fabrics)

RN 7173-51-5 HCAPLUS

CN 1-Decanaminium, N-decyl-N,N-dimethyl-, chloride (1:1) (CA INDEX
 NAME)



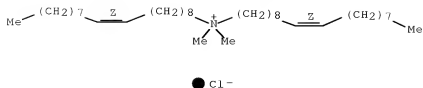
● Cl⁻

RN 7212-69-3 HCAPLUS

CN 9-Octadecen-1-aminium, N,N-dimethyl-N-(9Z)-9-octadecen-1-yl-,
 chloride (1:1), (9Z)- (CA INDEX NAME)

Double bond geometry as shown.

2/8/2008



RN 9046-01-9 HCAPLUS

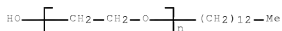
CN Poly(oxy-1,2-ethanediyl), α -tridecyl- ω -hydroxy-,
phosphate (CA INDEX NAME)

CM 1

CRN 24938-91-8

CMF (C2 H4 O)_n C13 H28 O

CCI PMS



CM 2

CRN 7664-38-2

CMF H3 O4 P



IC ICM C07F009-09

ICS A01N057-12; C07C211-63; C09K003-16

CC 40-9 (Textiles and Fibers)

Section cross-reference(s): 5, 29

IT Antibacterial agents

(industrial; preparation of quaternary ammonium polyoxyethylene
phosphate salts as wash-resistant antistatic agents and
antimicrobial agents for fabrics)

IT Antimicrobial agents

Antistatic agents

Fabric finishing agents

(preparation of quaternary ammonium polyoxyethylene phosphate salts as
wash-resistant antistatic agents and antimicrobial
agents for fabrics)

IT Quaternary ammonium compounds, uses

RL: BSU (Biological study, unclassified); SPN (Synthetic
preparation); TEM (Technical or engineered material use); BIOL
(Biological study); PREP (Preparation); USES (Uses)

(preparation of quaternary ammonium polyoxyethylene phosphate salts as
wash-resistant antistatic agents and antimicrobial

agents for fabrics)

IT 522613-19-0P, Diolelyldimethylammonium Phosphanol RS 710 salt
 522613-20-3P, Didecylidimethylammonium Phosphanol RS 610 salt
 RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of quaternary ammonium polyoxyethylene phosphate salts as wash-resistant antistatic agents and antimicrobial agents for fabrics)

IT 7173-51-5, Bardac 2280 7212-69-3, Cation 20LR
 9046-01-9, Phosphanol RS 610 157090-89-6, Phosphanol RS 710
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of quaternary ammonium polyoxyethylene phosphate salts as wash-resistant antistatic agents and antimicrobial agents for fabrics)

L41 ANSWER 12 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2003:334167 HCAPLUS Full-text
 DOCUMENT NUMBER: 138:339652
 TITLE: Agents and methods for treating biodegradable synthetic yarns
 INVENTOR(S): Yamakita, Hiroshi
 PATENT ASSIGNEE(S): Takemoto Yushi Kabushiki Kaisha, Japan
 SOURCE: U.S. Pat. Appl. Publ., 15 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003079297	A1	20030501	US 2002-286107	20021031
			<--	
US 7318842	B2	20080115		
JP 2003138485	A	20030514	JP 2001-333933	20011031
			<--	
JP 3725464	B2	20051214		
US 2007299237	A1	20071227	US 2007-893264	20070815
			<--	
PRIORITY APPLN. INFO.:			JP 2001-333933	A 20011031
			<--	
			US 2002-286107	A1 20021031
			<--	

AB An agent and method for treating biodegradable synthetic yarns fabricated from a polymer comprising lactic acid as a main component enables improved lubricity, cohesion, etc. to be so imparted to the biodegradable synthetic yarns that the yarns can be prevented from fuzzing and breaking at every step

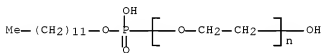
from spinning to down-stream step, especially at a false twisting step and improved in terms of bulkiness, providing yarns having improved mech. properties in a stable manner. The agent of the invention comprises 0.1 to 30% of a polyether, polyester-polyether, or polyolefin wax functional agent, a lubricant and a surfactant in the total amount of 70% or greater, and has a friction coefficient in the range of 0.04 to 0.35.

IT 55567-83-4 514857-53-5

RL: TEM (Technical or engineered material use); USES (Uses)
(surfactant; agents and methods for treating
biodegradable synthetic yarns)

RN 55567-83-4 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), α -[(dodecyloxy)hydroxyphosphinyl]-
o-hydroxy-, monopotassium salt (9CI) (CA INDEX NAME)



RN 514857-53-5 HCAPLUS

CN 1-Octanaminium, N,N,N-trimethyl-, dodecyl phosphate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 82638-50-4

CMF C12 H26 O4 P



CM 2

CRN 15461-38-8

CMF C11 H26 N



IC ICM D06M010-00

INCL 008115510

CC 40-7 (Textiles and Fibers)

IT Biodegradable materials

Lubricants

Surfactants

Yarns

(agents and methods for treating biodegradable
synthetic yarns)

IT Polyethers, uses

2/8/2008

- RL: TEM (Technical or engineered material use); USES (Uses)
(functional agent; agents and methods for
treating biodegradable synthetic yarns)
- IT Castor oil
RL: TEM (Technical or engineered material use); USES (Uses)
(hydrogenated, alkoxyated, surfactant; agents and
methods for treating biodegradable synthetic yarns)
- IT Surfactants
(ionic; agents and methods for treating biodegradable
synthetic yarns)
- IT Polyester fibers, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(lactic acid; agents and methods for treating
biodegradable synthetic yarns)
- IT Hydrocarbon oils
RL: TEM (Technical or engineered material use); USES (Uses)
(lubricant; agents and methods for treating
biodegradable synthetic yarns)
- IT Surfactants
(nonionic; agents and methods for treating
biodegradable synthetic yarns)
- IT Polyethers, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polyester-, functional agent; agents and
methods for treating biodegradable synthetic yarns)
- IT Polyesters, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polyether-, functional agent; agents and
methods for treating biodegradable synthetic yarns)
- IT Polyolefins
RL: TEM (Technical or engineered material use); USES (Uses)
(wax, functional agent; agents and methods
for treating biodegradable synthetic yarns)
- IT 26023-30-3, Lactic acid homopolymer, sru 26100-51-6, Lactic acid
homopolymer
RL: TEM (Technical or engineered material use); USES (Uses)
(fiber; agents and methods for treating biodegradable
synthetic yarns)
- IT 9003-11-6, Ethylene oxide-propylene oxide copolymer 27517-34-6,
Butylene oxide-ethylene oxide copolymer 52624-57-4, Ethylene
oxide-propylene oxide copolymer trimethylolpropane ether
58782-15-3, Dimethyl terephthalate-polyethylene glycol copolymer
83652-94-2, Butylene oxide-ethylene oxide copolymer monobutyl ether
169226-31-7, Dimethyl 5-sulfoisophthalate-dimethyl
terephthalate-ethylene glycol-polyethylene glycol block copolymer
514857-51-3 514857-52-4
RL: TEM (Technical or engineered material use); USES (Uses)
(functional agent; agents and methods for
treating biodegradable synthetic yarns)
- IT 139-44-6, Glycerol tris(12-hydroxystearate) 9038-95-3, Ethylene
oxide-propylene oxide copolymer monobutyl ether 22047-49-0, Octyl
stearate 37311-00-5, Ethylene oxide-propylene oxide copolymer
monododecyl ether
RL: TEM (Technical or engineered material use); USES (Uses)
(lubricant; agents and methods for treating
biodegradable synthetic yarns)
- IT 111-40-0D, Diethylenetriamine, isostearyl-amido-polyoxyalkylene
derivs. 683-10-3, Lauryl dimethyl ammonioacetate 1338-43-8,
Sorbitan monooleate 1643-20-5, Lauryl dimethylamine oxide
2386-53-0, Sodium laurylsulfonate 9002-92-0, Polyoxyethylene

lauryl ether 25190-01-6 55567-83-4 57195-28-5
85502-67-6 514857-53-5

RL: TEM (Technical or engineered material use); USES (Uses)
(surfactant; agents and methods for treating
biodegradable synthetic yarns)

IT 9002-88-4D, Polyethylene, oxidized

RL: TEM (Technical or engineered material use); USES (Uses)
(wax, functional agent; agents and methods
for treating biodegradable synthetic yarns)

L41 ANSWER 13 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:40194 HCAPLUS Full-text

DOCUMENT NUMBER: 138:91852

TITLE: Two-agent type liquid bleaching
compositions

INVENTOR(S): Ozaki, Kazuyoshi; Maki, Masataka; Ogura,
Nobuyuki; Muneo, Aoyagi

PATENT ASSIGNEE(S): Kao Corporation, Japan

SOURCE: Eur. Pat. Appl., 29 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1275708	A1	20030115	EP 2002-14962	20020709
EP 1275708	B1	20080116		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
JP 2003020498	A	20030124	JP 2001-209555	20010710
JP 2003041295	A	20030213	JP 2001-231687	20010731
JP 2003041296	A	20030213	JP 2001-231688	20010731
TW 264465	B	20061021	TW 2002-91115173	20020709
CN 1396252	A	20030212	CN 2002-140923	20020710
US 2003119697	A1	20030626	US 2002-191065	20020710
US 6838424	B2	20050104		

PRIORITY APPLN. INFO.:

JP 2001-209555

A

200107
10

<--

JP 2001-231687

A

200107
31

<--

JP 2001-231688

A

200107
31

<--

OTHER SOURCE(S): MARPAT 138:91852

AB To provide 2-agent type liquid bleaching compns. having excellent bleaching effect even if a mixing ratio of the 2 agents varies, great usability, and no problem in storage stability, 2-agent type liquid bleaching compns. contain an agent A and an agent B filled and held in sep. chambers of a container and the agent A is made of 0.1-10% H2O2 and H2O provided with certain buffering capacity, and the agent B is made of an alkali agent and H2O provided with certain buffering capacity. Agent A and agent B meet the following conditions, resp. : (I) pH of agent A 1-6.5 at 20° and a volume of aqueous 0.1N NaOH solution required to adjust 1000 mL agent A to pH 7 at 20° is 50-1000 mL and (II) pH of agent B 9-12 at 20° and a volume of aqueous 1N H2SO4 solution required to adjust 1000 mL agent B to pH 7 at 20° is 450-2000 mL. Thus, an alkaline (pH 10.5) bleaching detergent contained 2/1 ratio A/B of hydrogen peroxide 5, citric acid 1.5, polyoxyethylene lauryl ether 2, ethylene oxide-propylene oxide copolymer monolauryl ether 30, LAS 1, sodium salt of polyoxyethylene lauryl ether sulfate 2, alkyl(C12-15)benzenesulfonic acid sodium salt, 0.5, N-tetradecyl-N,N,N-trimethylammonium chloride 1, p-methoxyphenol 0.3, N-lauryl-N,N-dimethyl-N-(2-hydroxy-1-sulfopropyl)ammonium sulfobetaine 1, lauroxybenzenesulfonic acid sodium salt 1 parts, and the balance H2O, in combination with KCO3 6, NaHCO3 0.3, above sulfobetaine 4, LAS 3 parts, and the balance H2O, showing 86% bleaching efficiency (reflectance).

IT 4574-04-3 7558-79-4, Disodium phosphate

7601-54-9, Trisodium phosphate

RL: TEM (Technical or engineered material use); USES (Uses)

(two-agent-type liquid bleaching compns. containing
acidic hydrogen peroxide solution combination with alkali solution for
laundering of fabrics)

RN 4574-04-3 HCAPLUS

CN 1-Tetradecanaminium, N,N,N-trimethyl-, chloride (1:1) (CA INDEX NAME)



RN 7558-79-4 HCAPLUS

CN Phosphoric acid, sodium salt (1:2) (CA INDEX NAME)



● 2 Na

RN 7601-54-9 HCAPLUS

CN Phosphoric acid, sodium salt (1:3) (CA INDEX NAME)



● 3 Na

IC ICM C11D003-39

ICS C11D017-04

CC 46-5 (Surface Active Agents and Detergents)

IT Detergents

(laundry; two-agent-type liquid bleaching compns

. containing acidic hydrogen peroxide solution combination with alkali solution for laundering of fabrics)

IT Bleaching agents

(two-agent-type liquid bleaching compns. containing

acidic hydrogen peroxide solution combination with alkali solution for laundering of fabrics)

IT 60-00-4, Ethylenediaminetetraacetic acid, uses 77-92-9, Citric acid, uses 98-11-3D, Benzenesulfonic acid, C12-15 alkyl derivs., sodium salts, uses 102-71-6, Triethanolamine, uses 111-42-2, Diethanolamine, uses 141-43-5, Monoethanolamine, uses 144-55-8, Sodium hydrogen carbonate, uses 497-19-8, Sodium carbonate, uses 584-08-7, Potassium carbonate 657-84-1, p-Toluenesulfonic acid sodium salt 1310-58-3, Potassium hydroxide, uses 1310-73-2, Sodium hydroxide, uses 1330-43-4, Sodium tetraborate 1643-20-5, Lauryldimethylamine oxide 2809-21-4, 1-Hydroxyethylidene-1,1-diphosphonic acid 4574-04-3 4615-13-8 7556-79-4, Disodium phosphate 7601-54-9, Trisodium phosphate 7664-38-2, Orthophosphoric acid, uses 7722-84-1, Hydrogen peroxide, uses 9002-92-0, Polyoxyethylene lauryl ether 9003-04-7, Polyacrylic acid sodium salt 9004-82-4, Sodium polyoxyethylene lauryl ether sulfate 13197-76-7 37311-00-5, Ethylene oxide-propylene oxide copolymer monolauryl ether 88380-00-1, Lauroyloxybenzenesulfonic acid sodium salt

RL: TEM (Technical or engineered material use); USES (Uses)

(two-agent-type liquid bleaching compns. containing acidic hydrogen peroxide solution combination with alkali solution for laundering of fabrics)

REFERENCE COUNT: 9

THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L41 ANSWER 14 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN

2/8/2008

ACCESSION NUMBER: 2002:423967 HCAPLUS Full-text
 DOCUMENT NUMBER: 137:7443
 TITLE: Water permeable finishing agent and
 fiber treated from the same
 INVENTOR(S): Kita, Setsuo; Yoneda, Akihiko; Nakamura,
 Yoshishige
 PATENT ASSIGNEE(S): Matsumoto Yushi-Seiyaku Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002161474	A	20020604	JP 2000-399354	200011 22

PRIORITY APPLN. INFO.: <--
 JP 2000-399354
 200011
 22

AB The agent for preparation of paper diaper and sanitary products comprises a polyoxyalkylene fatty acid amide 30-60, an acylated polyamine cationic material 5-20, an alkyl phosphate 10-60, a trialkyl glycine derivative 10-30, and a polyoxyalkylene-modified siloxane 5-20 weight%. Thus, an agent was made from a mixture of ethoxylated behenic acid diethanolamide ester 40, K lauryl phosphate 5, polyoxyethylene lauryl ether sodium phosphate 40, dimethyloctadecylglycine hydroxide 10, and ethoxylated propoxylated siloxane 5%.

IT 7632-05-5D, Sodium phosphate, alkane derivative
 42612-52-2, Polyoxyethylene lauryl ether phosphate sodium
 salt 109400-66-4
 RL: TEM (Technical or engineered material use); USES (Uses)
 (water permeable finishing agent and fiber
 treated from the same)

RN 7632-05-5 HCAPLUS
 CN Phosphoric acid, sodium salt (1:?) (CA INDEX NAME)



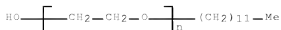
●x Na

RN 42612-52-2 HCAPLUS
 CN Poly(oxy-1,2-ethanediyl), α-dodecyl-ω-hydroxy-,
 phosphate, sodium salt (CA INDEX NAME)

CN 1

CN 9002-92-0

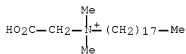
CMF (C2 H4 O)n C12 H26 O
CCI PMS



CM 2
CRN 7664-38-2
CMF H3 O4 P



RN 108400-66-4 HCAPLUS
CN 1-Octadecanaminium, N-(carboxymethyl)-N,N-dimethyl-, hydroxide (1:1)
(CA INDEX NAME)



IC ICM D06M013-332
ICS A61F013-511; A61F013-49; A41B017-00; A61F013-15; C09K003-00;
D06M013-328; D06M013-368; D06M013-453; D06M015-643; A61F005-44
CC 40-9 (Textiles and Fibers)
ST paper diaper finishing agent water permeability; sanitary
product polyoxyalkylene fatty acid amide
IT Fatty acids, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(alkoxylated; water permeable finishing agent and fiber
treated from the same)
IT Polyoxyalkylenes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(derivs.; water permeable finishing agent and fiber
treated from the same)
IT Amines, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polyamines, nonpolymeric; water permeable finishing
agent and fiber treated from the same)
IT Polysiloxanes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polyoxyethylene-polyoxypropylene-; water permeable finishing

- agent and fiber treated from the same)
- IT Medical goods
(sanitary napkins; water permeable finishing agent and fiber treated from the same)
- IT Coating materials
Diapers
Nonwoven fabrics
Paper
(water permeable finishing agent and fiber treated from the same)
- IT 106-89-8, Chloropropylene oxide, reactions 2717-16-0, Diethanolamine stearate
RL: RCT (Reactant); RACT (Reactant or reagent)
(water permeable finishing agent and fiber treated from the same)
- IT 7632-95-5D, Sodium phosphate, alkane derivative
42612-52-2, Polyoxyethylene lauryl ether phosphate sodium salt 108400-66-4 431935-40-9
RL: TEM (Technical or engineered material use); USES (Uses)
(water permeable finishing agent and fiber treated from the same)

L41 ANSWER 15 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:707428 HCAPLUS Full-text

DOCUMENT NUMBER: 135:274193

TITLE: Low-foaming stable antistatic treatment agents for fibers

INVENTOR(S): Hishida, Tatsuhiko; Takekawa, Shuji

PATENT ASSIGNEE(S): Nikka Chemical Industry Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001262467	A	20010926	JP 2000-79326	20000316
<--				
PRIORITY APPLN. INFO.:			JP 2000-79326	20000316
<--				

- AB Treatment agents contain ethoxylated propoxylated alk(en)ylamines and polyoxyalkylene alk(en)yl ether phosphates or alk(en)yl phosphates in ratios 20-140:100. Thus, a treatment agent contained block polyethylene propylene glycol laurylamine ether 20, polyethylene glycol octyl ether K phosphate 60, ethyldimethylstearylammmonium Et sulfate 10, Bu stearate 8, and polyethylene glycol lauryl ether 2 parts.
- IT 110-07-6 39322-78-6, Potassium lauryl phosphate
68987-29-1, Potassium stearyl phosphate 73618-34-5
Polyethylene glycol octyl ether potassium phosphate 363133-81-7
RL: TEM (Technical or engineered material use); USES (Uses)
(low-foaming stable antistatic treatment agents for fibers)

2/8/2008

RN 110-07-6 HCAPLUS
 CN 1-Octadecanaminium, N-ethyl-N,N-dimethyl-, ethyl sulfate (1:1) (CA INDEX NAME)

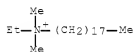
CM 1

CRN 48028-76-8
 CMF C2 H5 O4 S



CM 2

CRN 45273-64-1
 CMF C22 H48 N



RN 39322-78-6 HCAPLUS
 CN Phosphoric acid, dodecyl ester, potassium salt (CA INDEX NAME)

CM 1

CRN 7664-38-2
 CMF H3 O4 P



CM 2

CRN 112-53-8
 CMF C12 H26 O



RN 68987-29-1 HCAPLUS
 CN 1-Octadecanol, phosphate, potassium salt (CA INDEX NAME)

CM 1

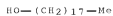
2/8/2008

CRN 7664-38-2
CMF H3 O4 P



CM 2

CRN 112-92-5
CMF C18 H38 O

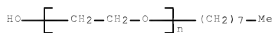


RN 73018-34-5 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), α -octyl- ω -hydroxy-, phosphate, potassium salt (CA INDEX NAME)

CM 1

CRN 27252-75-1
CMF (C2 H4 O)_n C8 H18 O
CCI PMS



CM 2

CRN 7664-38-2
CMF H3 O4 P



RN 363133-81-7 HCAPLUS

CN Oxirane, methyl-, polymer with oxirane, monooctyl ether, phosphate, potassium salt (9CI) (CA INDEX NAME)

CM 1

2/8/2008

CRN 7664-38-2
CMF H3 O4 P



CM 2

CRN 111-87-5
CMF C8 H18 O



CM 3

CRN 9003-11-6
CMF (C3 H6 O . C2 H4 O) x
CCI PMS

CM 4

CRN 75-56-9
CMF C3 H6 O



CM 5

CRN 75-21-8
CMF C2 H4 O



IC ICM D06M013-328
ICS D06M013-295
CC 40-7 (Textiles and Fibers)
ST alkoxylated amine treatment agent fiber; polyoxyalkylene
ether phosphate treatment fiber
IT Amines, uses

2/8/2008

RL: TEM (Technical or engineered material use); USES (Uses)
(alkoxylated; low-foaming stable antistatic treatment agents for fibers)

IT Surfactants
(amphoteric; low-foaming stable antistatic treatment agents for fibers)

IT Surfactants
(cationic; low-foaming stable antistatic treatment agents for fibers)

IT Antifoaming agents
Antistatic agents
Emulsions
(low-foaming stable antistatic treatment agents for fibers)

IT Polyester fibers, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(low-foaming stable antistatic treatment agents for fibers)

IT Surfactants
(nonionic; low-foaming stable antistatic treatment agents for fibers)

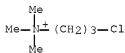
IT 119-07-6 39322-78-6, Potassium lauryl phosphate
69987-29-1, Potassium stearyl phosphate 73018-34-5
, Polyethylene glycol octyl ether potassium phosphate 80748-76-1,
Oxirane, methyl-, polymer with oxirane, (octadecylimino)dialkylene
ether 107991-12-8, Block polyethylene propylene glycol
stearylamine ether 217324-48-6, Block polyethylene propylene
glycol laurylamine ether 363133-69-1 363133-81-7
RL: TEM (Technical or engineered material use); USES (Uses)
(low-foaming stable antistatic treatment agents for fibers)

L41 ANSWER 16 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2001:677350 HCAPLUS Full-text
DOCUMENT NUMBER: 135:197078
TITLE: Strengthening agent for non-wood fiber paper
INVENTOR(S): Yao, Xianping; Zheng, Liping
PATENT ASSIGNEE(S): Hangzhou Inst. of Chemical Industry, Peop. Rep. China
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 8 pp.
CODEN: CNXXEV
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
CN 1281920	A	20010131	CN 1999-113918	19990727
			<--	
CN 1085279	B	20020522		
PRIORITY APPLN. INFO.:			CN 1999-113918	19990727
			<--	

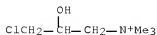
2/8/2008

- AB The strengthening agent is prepared by spraying cation-etherifying agent to starch, allowing the mixture to react at 50-80° for 4-6 h, spraying anion-esterifying agent, adjusting pH to 4-8, drying till water content 5-8%, heating to 120-140°, allowing the mixture to react for 2-4 h, cooling, mixing with auxiliary strengthening agent, allowing the mixture to react for 1-3 h, and aftertreatment. The etherifying agent is 2-diethylaminoethyl chloride, 2,3-epoxypropyldiethylamine, 3-chloro-2-hydroxypropyltrimethylammonium chloride, 4-chloro-2-butenyltrimethyl ammonium chloride, or 3-(chloropropyl)trimethylammonium chloride. The alkali catalyst is selected from KOH, Ca(OH)₂, NaOH, and Mg(OH)₂. The esterifying agent is selected from NaH₂PO₄ and Na₂HPO₄. The auxiliary strengthening agent is a mixture of acetic acid and acetic anhydride. Reacting 3-(chloropropyl)trimethylammonium chloride with corn starch, followed by esterification with NaH₂PO₄ and Na₂HPO₄ and reaction with acetic acid and acetic anhydride gave a strengthening agent.
- IT 1936-95-4DP, (3-Chloropropyl)trimethylammonium chloride, and acetic anhydride 3327-22-8DP, 3-Chloro-2-hydroxypropyltrimethyl ammonium chloride, reaction product with starch, phosphate salt, and acetic anhydride 4237-07-4DP, 4-Chloro-2-butenyltrimethyl ammonium chloride, reaction product with starch, phosphate salt, and acetic anhydride 7558-79-4DP, reaction product with etherated starch and acetic anhydride 7558-80-7DP, Sodium dihydrogen phosphate, reaction product with etherated starch and acetic anhydride
- RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(strengthening agent for non-wood fiber paper)
- RN 1936-95-4 HCAPLUS
- CN 1-Propanaminium, 3-chloro-N,N,N-trimethyl-, chloride (1:1) (CA INDEX NAME)



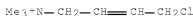
● Cl⁻

- RN 3327-22-8 HCAPLUS
- CN 1-Propanaminium, 3-chloro-2-hydroxy-N,N,N-trimethyl-, chloride (1:1) (CA INDEX NAME)



● Cl⁻

- RN 4237-07-4 HCAPLUS
- CN 2-Buten-1-aminium, 4-chloro-N,N,N-trimethyl-, chloride (1:1) (CA INDEX NAME)



RN 7558-79-4 HCAPLUS

CN Phosphoric acid, sodium salt (1:2) (CA INDEX NAME)



RN 7558-80-7 HCAPLUS

CN Phosphoric acid, sodium salt (1:1) (CA INDEX NAME)



IC ICM D21H021-18

CC 43-7 (Cellulose, Lignin, Paper, and Other Wood Products)

ST paper strengthening agent manuf starch based

IT Paper

(strengthening agent for non-wood fiber paper)

IT 9005-25-8P, corn starch, uses

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(reaction product with etherification and esterification agents and acetic anhydride; strengthening agent for non-wood fiber paper)

IT 64-19-7DP, Acetic acid, reaction product with phosphated etherated starch, uses 100-35-6DP, 2-Diethylaminoethyl chloride, reaction product with starch, phosphate salt, and acetic anhydride

108-24-7DP, Acetic anhydride, reaction product with phosphated etherated starch 1936-95-4DP, (3-

Chloropropyl)trimethylammonium chloride, reaction product with starch, phosphate salt, and acetic anhydride 2917-91-1DP,

Glycidyl-diethylamine, reaction product with starch, phosphate salt, and acetic anhydride 3327-22-8DP, 3-Chloro-2-

hydroxypropyltrimethyl ammonium chloride, reaction product with starch, phosphate salt, and acetic anhydride 4237-97-4DP,

4-Chloro-2-butenyltrimethyl ammonium chloride, reaction product with starch, phosphate salt, and acetic anhydride 7558-79-4DP,

reaction product with etherated starch and acetic anhydride
 7558-88-7DP, Sodium dihydrogen phosphate, reaction product
 with etherated starch and acetic anhydride
 RL: IMF (Industrial manufacture); TEM (Technical or engineered
 material use); PREP (Preparation); USES (Uses)
 (strengthening agent for non-wood fiber
 paper)

L41 ANSWER 17 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:563820 HCAPLUS Full-text

DOCUMENT NUMBER: 135:138655

TITLE: All-aromatic polyamide staple fibers with good
 mechanical spinning properties comprising aramid
 fibers coated with mixtures comprising
 C14-16 alcohol phosphate ester alkali metal
 salts and nitrogen-containing cationic or
 nonionic antistatic agents

INVENTOR(S): Kimura, Akira

PATENT ASSIGNEE(S): Teijin Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001207379	A	20010803	JP 2000-20099	20000128
			<--	
JP 3856612	B2	20061213		
PRIORITY APPLN. INFO.:			JP 2000-20099	20000128

AB The fibers comprise aramid (A) fibers coated with mixts. comprising C14-16 alc. phosphate ester alkali metal salts and N-containing cationic antistatic agents and/or N-containing nonionic antistatic agents and have finish content 0.1-1.0% (on fiber), or the fibers comprise A fibers coated with 50-90:50-10 (weight ratio) mixts. of C14-16 alc. phosphate ester alkali metal salts and N-containing cationic antistatic agents and/or N-containing nonionic antistatic agents. Drawn 3,4'-diaminodiphenyl ether-p-phenylenediamine-terephthalic acid copolymer fibers were coated with a composition containing 70% cetyl phosphate potassium salt and 30% stearyltrimethylammonium Et sulfate to form fibers with finish content 0.4%, crimped at 95°, dried, cut, and mech. spun to give yarns with scum formation amount 10.2 mg/100 kg.

IT 84861-79-0, Cetyl phosphate potassium salt
 92233-41-5 352887-89-1

RL: PRP (Properties); TEM (Technical or engineered material use);
 USES (Uses)

(all-aromatic polyamide staple fibers with good mech.
 spinning properties comprising aramid fibers coated
 with mixts. comprising C14-16 alc. phosphate ester
 alkali metal salts and nitrogen-containing cationic or nonionic
 compds.)

RN 84861-79-0 HCAPLUS

CN 1-Hexadecanol, phosphate, potassium salt (CA INDEX NAME)

2/8/2008

CM 1

CRN 36653-82-4

CMF C16 H34 O



CM 2

CRN 7664-38-2

CMF H3 O4 P



RN 92233-41-5 HCAPLUS

CN 1-Octadecanaminium, N,N,N-trimethyl-, ethyl sulfate (9CI) (CA INDEX NAME)

CM 1

CRN 48028-76-8

CMF C2 H5 O4 S



CM 2

CRN 15461-40-2

CMF C21 H46 N



RN 352007-09-1 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), α,α' -[(decylimino)di-2,1-ethanediyl]bis[ω -hydroxy-, phosphate (salt) (9CI) (CA INDEX NAME)

CM 1

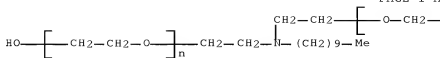
CRN 52001-65-7

CMF (C2 H4 O)_n (C2 H4 O)_n C14 H31 N O2

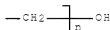
2/8/2008

CCI PMS

PAGE 1-A



PAGE 1-B



CM 2

CRN 7664-38-2

CMF H3 O4 P



- IC ICM D06M013-295
ICS D06M013-463; D06M101-36
- CC 40-2 (Textiles and Fibers)
- IT Polyoxyalkylenes, uses
RL: PRP (Properties); TEM (Technical or engineered material use);
USES (Uses)
(alkylamine derivs., phosphate salts; aramid staple fibers with good mech. spinning properties comprising aramid fibers coated with mixts. comprising alc. phosphate ester alkali metal salts and nitrogen-containing cationic or nonionic compds.)
- IT Polyamide fibers, uses
RL: PEP (Physical, engineering or chemical process); PRP (Properties); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(aramid; all-aromatic polyamide staple fibers with good mech. spinning properties comprising aramid fibers coated with mixts. comprising C14-16 alc. phosphate ester alkali metal salts and nitrogen-containing cationic or nonionic compds.)
- IT Polyamide fibers, uses
Synthetic polymeric fibers, uses
RL: PEP (Physical, engineering or chemical process); PRP (Properties); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(diaminodiphenyl ether-phenylenediamine-terephthalic acid; all-aromatic polyamide staple fibers with good mech. spinning properties comprising aramid fibers coated with mixts. comprising C14-16 alc. phosphate ester alkali metal salts and

- nitrogen-containing cationic or nonionic compds.)
- IT Quaternary ammonium compounds, uses
 RL: PRP (Properties); TEM (Technical or engineered material use);
 USES (Uses)
 (finishing agents; all-aromatic polyamide staple fibers
 with good mech. spinning properties comprising aramid fibers
 coated with mixts. comprising C14-16 alc. phosphate
 ester alkali metal salts and nitrogen-containing cationic or nonionic
 compds.)
- IT Polyethers, uses
 RL: PEP (Physical, engineering or chemical process); PRP
 (Properties); TEM (Technical or engineered material use); PROC
 (Process); USES (Uses)
 (polyamide-, fiber, diaminodiphenyl ether-phenylenediamine-
 terephthalic acid; all-aromatic polyamide staple fibers with good
 mech. spinning properties comprising aramid fibers coated with
 mixts. comprising C14-16 alc. phosphate ester alkali
 metal salts and nitrogen-containing cationic or nonionic compds.)
- IT 54861-79-0, Cetyl phosphate potassium salt
 92233-41-5 352667-89-1
 RL: PRP (Properties); TEM (Technical or engineered material use);
 USES (Uses)
 (all-aromatic polyamide staple fibers with good mech.
 spinning properties comprising aramid fibers coated
 with mixts. comprising C14-16 alc. phosphate ester
 alkali metal salts and nitrogen-containing cationic or nonionic
 compds.)
- IT 66559-37-3, 3,4'-Diaminodiphenyl ether-p-phenylenediamine-
 terephthalic acid copolymer
 RL: PEP (Physical, engineering or chemical process); PRP
 (Properties); TEM (Technical or engineered material use); PROC
 (Process); USES (Uses)
 (fiber; all-aromatic polyamide staple fibers with good mech.
 spinning properties comprising aramid fibers coated with
 mixts. comprising C14-16 alc. phosphate ester alkali
 metal salts and nitrogen-containing cationic or nonionic compds.)

L41 ANSWER 18 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2001:220333 HCAPLUS Full-text
 DOCUMENT NUMBER: 134:253685
 TITLE: Polyphenylene sulfide short fibers treated with
 finish oil compositions
 INVENTOR(S): Hosohara, Sadao; Adachi, Yasuo; Kasahara,
 Teruhiko
 PATENT ASSIGNEE(S): Toray Industries, Inc., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
JP 2001081665	A	20010327	JP 1999-254465	199909 08

PRIORITY APPLN. INFO.: JP 1999-254465

2/8/2008

199909
08

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OTHER SOURCE(S): MARPAT 134:253685

AB The polyphenylene sulfide short fibers having good spinning properties are obtained by treating polyester fibers with finishing compns. comprising (a) 50-70% average C16-22 saturated aliphatic hydrocarbyl phosphate potassium salts, (b) 10-20% paraffin waxes, (c) 10-15% cationic and/or anionic surfactants, and (d) 4-15% OH(C2H4O)_n(R1)(OC2H4)mOH (R1 = C10-14 aliphatic hydrocarbyl; l + m = 5-15) and/or R2-p-C6H4(OC2H4)_nOH (R2 = C8-10 aliphatic hydrocarbyl; n = 5-10). Thus, 0.2% oiling agent containing potassium stearyl phosphate 60, paraffin wax 12, trimethyloctylammonium di-Me phosphate 12, polyoxyethylene laurylamine 4, polyoxyethylene nonylphenyl ether 4, and polyoxyethylene lauryl ether 8 parts was sprayed on a polyphenylene sulfide fiber tow, cut, carded, and drawn to give short fibers showing degree of crimp 16.5% and number of crimp 12.0/25 mm.

IT 66987-29-1, Potassium stearyl phosphate
 RL: TEM (Technical or engineered material use); USES (Uses)
 (finishing compns containing; polyphenylene sulfide short
 fibers treated with finish oil compns.)

RN 68987-29-1 HCAPLUS

CN 1-Octadecanol, phosphate, potassium salt (CA INDEX NAME)

CM 1

CRN 7664-38-2

CMF H3 O4 P



CM 2

CRN 112-92-5

CMF C18 H38 O

HO-(CH₂)₁₇-Me

IT 95153-34-0, Trimethyloctylammonium dimethyl phosphate
 RL: TEM (Technical or engineered material use); USES (Uses)
 (surfactant, finishing compns containing; polyphenylene
 sulfide short fibers treated with finish oil
 compns.)

RN 95153-34-0 HCAPLUS

CN 1-Octanaminium, N,N,N-trimethyl-, dimethyl phosphate (1:1) (CA
 INDEX NAME)

CM 1

CRN 15461-38-8

CMF C11 H26 N

Me—(CH₂)₇—N⁺Me₃

CM 2

CRN 7351-83-9

CMF C2 H6 O4 P



- IC ICM D06M013-292
ICS D01F006-76; D06M013-02; D06M013-17; D06M013-328; D06M013-463
- CC 40-9 (Textiles and Fibers)
- IT Surfactants
(anionic, finishing compns containing; polyphenylene sulfide short fibers treated with finish oil compns.)
- IT Surfactants
(cationic, finishing compns containing; polyphenylene sulfide short fibers treated with finish oil compns.)
- IT Polythiophenylenes
RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(fiber; polyphenylene sulfide short fibers treated with finish oil compns.)
- IT Paraffin waxes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(finishing compns containing; polyphenylene sulfide short fibers treated with finish oil compns.)
- IT Lubricating oils
(polyphenylene sulfide short fibers treated with finish oil compns.)
- IT Synthetic polymeric fibers, uses
RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(polythiophenylenes; polyphenylene sulfide short fibers treated with finish oil compns.)
- IT 9002-92-0, Polyoxyethylene lauryl ether 9016-45-9, Polyoxyethylene nonylphenyl ether 31017-83-1 68967-29-1, Potassium stearyl phosphate
RL: TEM (Technical or engineered material use); USES (Uses)
(finishing compns containing; polyphenylene sulfide short fibers treated with finish oil compns.)
- IT 85183-34-0, Trimethyloctylammonium dimethyl phosphate
RL: TEM (Technical or engineered material use); USES (Uses)
(surfactant, finishing compns containing; polyphenylene sulfide short fibers treated with finish oil compns.)

L41 ANSWER 19 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2001:107699 HCAPLUS Full-text
 DOCUMENT NUMBER: 134:167487
 TITLE: Liquid deodorization agent
 INVENTOR(S): Yamaguchi, Noriko; Kanno, Ikuo; Shirado, Kazutaka; Ogura, Nobuyuki; Tagata, Shuji
 PATENT ASSIGNEE(S): Kao Corp., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001037861	A	20010213	JP 1999-213700	19990728
JP 3771088	B2	20060426	JP 1999-213700	19990728

PRIORITY APPLN. INFO.: <--

AB The liquid deodorization agent contains a base agent, 0.001-0.5 weight% of a water-soluble polymer compound with 2,000-6,000,000 weight average mol. weight, and water and packed in a spray container. The agent is for spraying type air deodorization and removing smell remaining in fabrics.

IT 7558-80-7, Sodium dihydrogen phosphate 19309-23-0
 RL: TEM (Technical or engineered material use); USES (Uses)
 (base agent of deodorization agent; liquid deodorization agent containing polymer compound for air and fabric deodorization)

RN 7558-80-7 HCAPLUS

CN Phosphoric acid, sodium salt (1:1) (CA INDEX NAME)



● Na

RN 19309-23-0 HCAPLUS

CN 1-Tetradecanaminium, N-ethyl-N,N-dimethyl-, ethyl sulfate (9CI) (CA INDEX NAME)

CM 1

CRN 48028-76-8

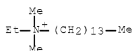
CMF C2 H5 O4 S

Et—O—SO₃⁻

CM 2

CRN 45236-69-9

CMF C18 H40 N



- IC ICM A61L009-14
ICS A61L009-01
- CC 59-6 (Air Pollution and Industrial Hygiene)
- ST air deodorization liq agent water sol polymer
- IT Acrylic polymers, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(deodorization agent containing; liquid deodorization agent containing polymer compound for air and fabric deodorization)
- IT Textiles
(deodorization agent for; liquid deodorization agent containing polymer compound for air and fabric deodorization)
- IT Tobacco smoke
(deodorization of; liquid deodorization agent containing polymer compound for air and fabric deodorization)
- IT Air purification
(deodorization; liquid deodorization agent containing polymer compound for air and fabric deodorization)
- IT Deodorants
(liquid deodorization agent containing polymer compound for air and fabric deodorization)
- IT 106-87-6D, reaction product with cetyl alc. ethylene oxide adduct
109-55-7D, reaction product with lauric acid 143-07-7D, Lauric acid, reaction product with dimethylaminopropylamine 154-23-4, Catechin 1643-20-5, Dimethylaurylamine oxide 7388-22-9, γ -Methyl ionone 7558-60-7, Sodium dihydrogen phosphate 19309-23-0
RL: TEM (Technical or engineered material use); USES (Uses)
(base agent of deodorization agent; liquid deodorization agent containing polymer compound for air and fabric deodorization)
- IT 106-89-8D, Epichlorohydrin, reaction product with hydroxyethylcellulose 9002-89-5, Poly(vinyl alcohol) 9003-01-4, Poly(acrylic acid) 9004-62-0D, Hydroxyethylcellulose, reaction product with epichlorohydrin 9004-95-9D, reaction product with vinylcyclohexene dioxide
RL: TEM (Technical or engineered material use); USES (Uses)
(deodorization agent containing; liquid deodorization agent containing polymer compound for air and fabric deodorization)

L41 ANSWER 20 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2000:725738 HCAPLUS Full-text
 DOCUMENT NUMBER: 133:311157
 TITLE: Composition containing transition
 metal complex for catalytically bleaching
 laundry fabrics with atmospheric oxygen
 INVENTOR(S): Appel, Adrianus Cornelis Maria; Delroisse,
 Michel Gilbert Jose; Hage, Ronald; Tetard,
 David; Twisker, Robin Stefan
 PATENT ASSIGNEE(S): Unilever PLC, UK; Unilever N. V.; Hindustan
 Lever Limited
 SOURCE: PCT Int. Appl., 70 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 13
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000060043	A1	20001012	WO 2000-EP2587	20000322
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W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
WO 2000012667	A1	20000309	WO 1999-GB2876	19990901
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W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
WO 2000012808	A1	20000309	WO 1999-GB2878	19990901
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EP 1433840	A1	20040630	EP 2004-7615	

					199909 01
				<--	
	R: BE, DE, ES, FR, GB, IT				
	ZA 2001006939	A	20020822	ZA 2001-6939	
					200108 22
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PRIORITY APPLN. INFO.:		GB	1999-7713		A 199904 01
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		GB	1999-7714		A 199904 01
				<--	
		WO	1999-GB2876		W 199909 01
				<--	
		WO	1999-GB2878		W 199909 01
				<--	
		GB	2000-4858		A 200002 29
				<--	
		GB	1998-19046		A 199809 01
				<--	
		GB	1999-6474		A 199903 19
				<--	
		EP	1999-943083		A3 199909 01
				<--	

OTHER SOURCE(S): MARPAT 133:311157

AB The title method comprises applying to the substrate, in an aqueous bleaching composition containing a ligand complex with a transition metal, the complex catalyzing bleaching of the substrate by atmospheric O. Also the aqueous bleaching composition is substantially devoid of peroxygen bleach or a peroxy-based or -generating bleach system. Tomato stained cloths were bleached in the presence of a cleaner containing surfactant and 10 µM [Fe(N-methyl-N,N',N'-tris(3- methylpyridin-2-ylmethyl)ethylenediamine)Cl](PF6) (preparation given), showing a color difference (pH 8) 17; vs. 3 for a blank and 2 using peroxide source bleach.

IT 16941-11-0, Ammonium hexafluorophosphate 21324-39-0
, Sodium hexafluorophosphate

RL: RCT (Reactant); RACT (Reactant or reagent)
(composition containing transition metal complex for
catalytically bleaching laundry fabrics with atmospheric
oxygen)

RN 16941-11-0 HCAPLUS

CN Phosphate(1-), hexafluoro-, ammonium (1:1) (CA INDEX NAME)



RN 21324-39-0 HCAPLUS

CN Phosphate(1-), hexafluoro-, sodium (1:1) (CA INDEX NAME)



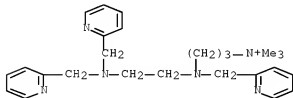
IT 302542-35-4P

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(ligand; composition containing transition metal complex for catalytically bleaching laundry fabrics with atmospheric oxygen)

RN 302542-35-4 HCAPLUS

CN 1-Propanaminium, 3-[[2-[bis(2-pyridinylmethyl)amino]ethyl](2-pyridinylmethyl)amino]-N,N,N-trimethyl-, bromide (9CI) (CA INDEX NAME)



IC ICM C11D003-395

ICS C07D213-38; C07F015-02; C07F013-00; D06L003-02; C07D235-30; C07D405-14

CC 46-5 (Surface Active Agents and Detergents)

2/8/2008

- Section cross-reference(s): 67
- IT Bleaching
- Oxidation catalysts
(composition containing transition metal complex for catalytically bleaching laundry fabrics with atmospheric oxygen)
- IT Transition metal complexes
RL: CAT (Catalyst use); IMF (Industrial manufacture); PREP (Preparation); USES (Uses)
(composition containing transition metal complex for catalytically bleaching laundry fabrics with atmospheric oxygen)
- IT 7439-89-6D, Iron, polyamine complexes, uses 7439-96-5D, Manganese, polyamine complexes, uses 7440-48-4D, Cobalt, polyamine complexes, uses 302542-45-6D, transition metal complexes 302542-66-1
302542-70-7 302542-74-1 302542-77-4 302542-81-0 302542-84-3
302542-86-5 302542-88-7 302542-90-1 302542-92-3 302542-94-5
302542-96-7 302542-98-9 302543-00-6 302543-02-8 302543-04-0
302543-06-2 302543-08-4 302543-10-8 302543-12-0 302543-14-2
302543-16-4 302543-18-6 302543-20-0 302543-22-2 302543-24-4
302543-26-6 302543-28-8 302543-30-2 302543-32-4 302543-34-6
302543-37-9 302543-39-1 302543-41-5 302543-43-7 302543-46-0
302543-48-2 302543-50-6
RL: CAT (Catalyst use); USES (Uses)
(composition containing transition metal complex for catalytically bleaching laundry fabrics with atmospheric oxygen)
- IT 260395-33-3P 302542-43-4DP, iron dinuclear complex 302543-53-9P
302543-55-1P 302543-57-3P
RL: CAT (Catalyst use); IMF (Industrial manufacture); PREP (Preparation); USES (Uses)
(composition containing transition metal complex for catalytically bleaching laundry fabrics with atmospheric oxygen)
- IT 110-72-5P 768-61-6P, 2-Hydroxymethyl-5-ethyl pyridine 772-71-4P, 2-Acetoxyethyl-5-methyl pyridine 3010-05-7P, N-Benzyl amino acetoneitrile 4152-09-4P 5700-58-3P 19815-35-1P 21852-60-8P, 2-Acetoxyethyl-5-ethyl pyridine 22940-71-2P, 2-Hydroxymethyl-5-methyl pyridine 24426-40-2P, N-Ethyl amino acetoneitrile 52814-41-2P, 2-Acetoxyethyl-3-methyl pyridine 63071-09-0P, 2-Hydroxymethyl-3-methyl pyridine 302543-51-7P
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(composition containing transition metal complex for catalytically bleaching laundry fabrics with atmospheric oxygen)
- IT 50-00-0, Formaldehyde, reactions 75-04-7, Ethylamine, reactions 98-01-1, Furan-2-carbaldehyde, reactions 100-46-9, N-Benzyl amine, reactions 103-76-4, 1-Piperazineethanol 104-90-5, 5-Ethyl-2-methyl pyridine 109-81-9 143-33-9, Sodium cyanide (NaCN) 583-61-9, 2,3-Lutidine 589-93-5, 2,5-Lutidine 4377-33-7, Picolyl chloride 4377-43-9 4760-34-3 7467-35-8 13478-10-9, Iron dichloride tetrahydrate 16941-11-0, Ammonium hexafluorophosphate 21354-39-0, Sodium hexafluorophosphate 34451-31-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(composition containing transition metal complex for catalytically bleaching laundry fabrics with atmospheric oxygen)
- IT 104170-15-2
RL: RCT (Reactant); RACT (Reactant or reagent)
(ligand precursor; composition containing transition metal complex for catalytically bleaching laundry fabrics with atmospheric oxygen)
- IT 172300-86-6 260395-29-7 260395-31-1 302542-45-6 302543-35-7

302543-44-8

RL: CAT (Catalyst use); USES (Uses)

(ligand; composition containing transition metal complex for catalytically bleaching laundry fabrics with atmospheric oxygen)

IT 260395-26-4P 260395-27-5P 260395-28-6P 260395-30-0P

302542-43-4P 302542-62-7P

RL: CAT (Catalyst use); IMF (Industrial manufacture); PREP

(Preparation); USES (Uses)

(ligand; composition containing transition metal complex for catalytically bleaching laundry fabrics with atmospheric oxygen)

IT 302542-35-4P

RL: IMF (Industrial manufacture); RCT (Reactant); PREP

(Preparation); RACT (Reactant or reagent)

(ligand; composition containing transition metal complex for catalytically bleaching laundry fabrics with atmospheric oxygen)

REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L41 ANSWER 21 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1999:421835 HCAPLUS Full-text

DOCUMENT NUMBER: 131:59932

TITLE: Auxiliary agent formulation for pretreating cellulosic fibre materials prior to or during the dyeing process
 INVENTOR(S): Scheibli, Peter; Ferrat, Rene
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
 SOURCE: PCT Int. Appl., 17 pp.
 CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9932704	A1	19990701	WO 1998-EP8000	19981209
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W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9920527	A	19990712	AU 1999-20527	19981209
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PRIORITY APPLN. INFO.: EP 1997-811001 A 19971219

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WO 1998-EP8000 W

2/8/2008

199812
09

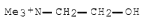
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AB An aqueous auxiliary agent formulation of A and B, where component (A) is a compound [Me₃N+CH₂CH₂OH]A⁻, A⁻ is an anion, and component (B) is a crosslinking resin. A cotton fabric is padded with aqueous liquor containing 160 g/L cyclic urea crosslinking agent and choline chloride and 20 g/L magnesium chloride hexahydrate, dried, and fixed at 180° to give cationized fabric with a good angle of crease recovery and dyeability.

IT 67-48-1, Choline chloride 65151-62-4
83846-92-8, Choline phosphate
RL: TEM (Technical or engineered material use); USES (Uses)
(in aqueous auxiliary agent formulation for
pretreating cellulosic fiber materials prior to or
during dyeing process)

RN 67-48-1 HCAPLUS

CN Ethanaminium, 2-hydroxy-N,N,N-trimethyl-, chloride (1:1) (CA INDEX NAME)



RN 65151-62-4 HCAPLUS

CN Ethanaminium, 2-hydroxy-N,N,N-trimethyl-, methyl sulfate (1:1) (CA INDEX NAME)

CM 1

CRN 21228-90-0

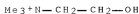
CMF C H3 O4 S



CM 2

CRN 62-49-7

CMF C5 H14 N O



RN 83846-92-8 HCAPLUS

CN Ethanaminium, 2-hydroxy-N,N,N-trimethyl-, phosphate (1:1) (CA INDEX NAME)

CM 1

CRN 14066-20-7

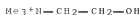
CMF H2 O4 P



CM 2

CRN 62-49-7

CMF C5 H14 N O



IC ICM D06M013-463
ICS D06P001-66; D06P001-56; D06P001-54

CC 40-6 (Textiles and Fibers)

ST choline chloride auxiliary dyeing cellulosic fiber; methylol urea auxiliary dyeing cellulosic fiber; pretreatment auxiliary dyeing cellulosic fiber; cotton fabric dyeing auxiliary pretreatment; durable press finishing cotton; storage stable auxiliary pretreatment agent

IT Durable press finishing
(auxiliary agent formulation for pretreating cellulosic fiber materials prior to or during dyeing process)

IT Textiles
(cotton; auxiliary agent formulation for pretreating cellulosic fiber materials prior to or during dyeing process)

IT Aminoplasts
RL: TEM (Technical or engineered material use); USES (Uses)
(in aqueous auxiliary agent formulation for pretreating cellulosic fiber materials prior to or during dyeing process)

IT 67-48-1, Choline chloride 140-95-4, Dimethylolurea 531-18-0, Hexamethylolmelamine 937-35-9 3089-11-0 4356-60-9 4858-96-2, Choline sulfate 9003-08-1, Formaldehyde-melamine copolymer 9011-05-6, Formaldehyde-urea copolymer 33024-98-5 65151-62-4 83846-92-8, Choline phosphate
RL: TEM (Technical or engineered material use); USES (Uses)
(in aqueous auxiliary agent formulation for pretreating cellulosic fiber materials prior to or during dyeing process)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L41 ANSWER 22 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1999:409460 HCAPLUS [Full-text](#)
DOCUMENT NUMBER: 131:59940
TITLE: Spinning oiling agents for aromatic polyamide fibers

2/8/2008

INVENTOR(S): Inagaki, Kuniyasu; Kinoshita, Tsukasa
 PATENT ASSIGNEE(S): Takemoto Oil and Fat Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11172577	A	19990629	JP 1997-362242	19971210
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JP 3810037	B2	20060816		
PRIORITY APPLN. INFO.:			JP 1997-362242	19971210
			<--	

OTHER SOURCE(S): MARPAT 131:59940

AB Oiling agents contain organic ammonium or phosphonium phosphates and amino polysiloxanes at ratio 10:90-60:40. Thus, an oiling agent contained tetramethylammonium di-Me phosphate 12, N-(2-aminoethyl)-3-aminopropyl group-containing polydimethylsiloxane 48, and nonionic surfactants 40 parts.

IT 756-77-4, Tetramethylammonium dimethyl phosphate
 4221-21-2 69083-17-6, Tetraethylammonium diethyl
 phosphate 85153-34-0 142756-42-1
 228114-03-2 226114-04-3 228114-08-7

RL: MOA (Modifier or additive use); USES (Uses)
 (spinning oiling agents containing ammonium and phosphonium
 phosphates and nonionic surfactants for aromatic polyamide
 fibers)

RN 756-77-4 HCAPLUS

CN Methanaminium, N,N,N-trimethyl-, dimethyl phosphate (1:1) (CA INDEX NAME)

CM 1

CRN 7351-83-9

CMF C2 H6 O4 P



CM 2

CRN 51-92-3

CMF C4 H12 N



RN 4221-31-2 HCAPLUS

CN 1-Octadecanaminium, N,N,N-trimethyl-, dimethyl phosphate (9CI) (CA INDEX NAME)

CM 1

CRN 15461-40-2

CMF C21 H46 N



CM 2

CRN 7351-83-9

CMF C2 H6 O4 P



RN 69083-17-6 HCAPLUS

CN Ethanaminium, N,N,N-triethyl-, diethyl phosphate (9CI) (CA INDEX NAME)

CM 1

CRN 48042-47-3

CMF C4 H10 O4 P



CM 2

CRN 66-40-0

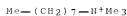
CMF C8 H20 N



RN 85153-34-0 HCAPLUS
 CN 1-Octanaminium, N,N,N-trimethyl-, dimethyl phosphate (1:1) (CA INDEX NAME)

CM 1

CRN 15461-38-8
 CMF C11 H26 N



CM 2

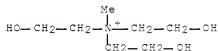
CRN 7351-83-9
 CMF C2 H6 O4 P



RN 142756-42-1 HCAPLUS
 CN Ethanaminium, 2-hydroxy-N,N-bis(2-hydroxyethyl)-N-methyl-, dimethyl phosphate (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 44971-58-6
 CMF C7 H18 N O3



CM 2

CRN 7351-83-9
 CMF C2 H6 O4 P



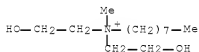
RN 228114-03-2 HCAPLUS

CN 1-Octanaminium, N,N-bis(2-hydroxyethyl)-N-methyl-, dimethyl phosphate (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 58767-49-0

CMF C13 H30 N O2



CM 2

CRN 7351-83-9

CMF C2 H6 O4 P



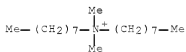
RN 228114-04-3 HCAPLUS

CN 1-Octanaminium, N,N-dimethyl-N-octyl-, dimethyl phosphate (9CI) (CA INDEX NAME)

CM 1

CRN 20256-55-7

CMF C18 H40 N



CM 2

CRN 7351-83-9

2/8/2008

CMF C2 H6 O4 P



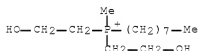
RN 228114-08-7 HCAPLUS

CN Phosphonium, bis(2-hydroxyethyl)methyloctyl-, dimethyl phosphate (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 228114-07-6

CMF C13 H30 O2 P



CM 2

CRN 7351-83-9

CMF C2 H6 O4 P



IC ICM D06M013-463

ICS D06M015-643

CC 40-7 (Textiles and Fibers)

ST oiling agent arom polyamide fiber; ammonium phosphate
amino silicone oiling agent; phosphonium phosphate amino
silicone oiling agent

IT Polysiloxanes, uses

RL: MOA (Modifier or additive use); USES (Uses)
(amino, di-Me; spinning oiling agents containing ammonium
and phosphonium phosphates and nonionic surfactants for aromatic
polyamide fibers)

IT Polyamide fibers, uses

RL: PEP (Physical, engineering or chemical process); TEM (Technical
or engineered material use); PROC (Process); USES (Uses)
(aramid; spinning oiling agents containing ammonium and
phosphonium phosphates and nonionic surfactants for aromatic
polyamide fibers)

IT Surfactants

2/8/2008

- (nonionic; spinning oiling agents containing ammonium and phosphonium phosphates and nonionic surfactants for aromatic polyamide fibers)
- IT Lubricants
(spinning oiling agents containing ammonium and phosphonium phosphates and nonionic surfactants for aromatic polyamide fibers)
- IT Phosphonium compounds
Quaternary ammonium compounds, uses
RL: MOA (Modifier or additive use); USES (Uses)
(spinning oiling agents containing ammonium and phosphonium phosphates and nonionic surfactants for aromatic polyamide fibers)
- IT 756-77-4, Tetramethylammonium dimethyl phosphate
4221-31-2 9004-98-2, Polyethylene glycol oleyl ether
9005-66-6, Polyethylene glycol sorbitan monooleate 9005-66-7,
Polyethylene glycol sorbitan monopalmitate 9016-45-9, Polyethylene
glycol nonylphenyl ether 20445-88-9, Methyltributylphosphonium
dimethyl phosphate 20445-92-5 25190-01-6, Polyethylene glycol
dodecylamine ether 67167-59-3, Polyethylene glycol stearate
69083-17-6, Tetraethylammonium diethyl phosphate
85153-34-0 142756-42-1 156623-21-1 158465-66-8
228114-03-3 228114-04-3 228114-05-4
228114-06-5 228114-08-7 228114-09-8
RL: MOA (Modifier or additive use); USES (Uses)
(spinning oiling agents containing ammonium and phosphonium
phosphates and nonionic surfactants for aromatic polyamide
fibers)
- IT 24938-60-1 24938-64-5, Poly(p-phenylene terephthalamide)
25035-33-0 25035-37-4, Poly(p-phenylene terephthalamide)
RL: PEP (Physical, engineering or chemical process); TEM (Technical
or engineered material use); PROC (Process); USES (Uses)
(spinning oiling agents containing ammonium and phosphonium
phosphates and nonionic surfactants for aromatic polyamide fibers)

L41 ANSWER 23 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1999:231492 HCAPLUS [Full-text](#)
DOCUMENT NUMBER: 130:257164
TITLE: Enzymic foam compositions for dyeing
keratinous fibers
INVENTOR(S): Sorensen, Niels Henrik
PATENT ASSIGNEE(S): Novo Nordisk A/S, Den.
SOURCE: PCT Int. Appl., 25 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 9915137	A1	19990401	WO 1998-DK406	199809 18

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W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ,
DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP,
KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK,
MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL,
TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,

ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
CA 2303125 A1 19990401 CA 1998-2303125

199809
18

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AU 9891539 A 19990412 AU 1998-91539

199809
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AU 737597 B2 20010823
EP 1014921 A1 20000705 EP 1998-943723

199809
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE,
FI

JP 2001517608 T 20011009 JP 2000-512513

199809
18

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PRIORITY APPLN. INFO.: DK 1997-1077 A

199709
19

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DK 1998-165 A

199802
05

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WO 1998-DK406 W

199809
18

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AB The invention relates to enzymic foam compns. for bleaching or dyeing of
keratinous fibers, e.g. hair, fur, hide or wool, comprising: (1) at least one
oxidation enzyme, typically an oxidoreductase selected from laccases and
related enzymes, oxidases and peroxidases; (2) at least one foaming agent,
e.g. selected from soaps and anionic, nonionic, amphoteric and zwitterionic
surfactants; (3) at least one dye precursor, e.g. selected from diamines,
aminophenols and phenols; and optionally (4) at least one modifier, e.g.
selected from m-aromatic diamines, m-aminophenols and polyphenols. A foam
formulation containing laccase from Myceliophthora thermophila 0.1 mg/mL, a
dye precursor, p-phenylenediamine or o-aminophenol, 0.5%, SDS 2.0%, betaine
phosphate 2.0%, and buffer up to 100%, resp., showed better color uniformity
compared to control, i.e. a "still water" compn. containing a dye precursor
concentration reduced by 50%.

IT 58823-88-4, Betaine phosphate
RL: BUU (Biological use, unclassified); BIOL (Biological study);
USES (Uses)
(oxidative enzymic foam compns. for dyeing keratinous
fibers)

RN 58823-88-4 HCAPLUS

CN Methanaminium, 1-carboxy-N,N,N-trimethyl-, phosphate (1:1) (CA
INDEX NAME)

CM 1

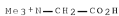
CRN 14066-20-7
CMF H2 O4 P



CM 2

CRN 6915-17-9

CMF C5 H12 N O2



- IC ICM A61K007-13
ICS A61K007-06
- CC 62-3 (Essential Oils and Cosmetics)
Section cross-reference(s): 41
- IT Phenols, biological studies
Phenols, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study);
USES (Uses)
(amino; oxidative enzymic foam compns. for dyeing
keratinous fibers)
- IT Surfactants
(amphoteric; oxidative enzymic foam compns. for dyeing
keratinous fibers)
- IT Surfactants
(anionic; oxidative enzymic foam compns. for dyeing
keratinous fibers)
- IT Amines, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study);
USES (Uses)
(diamines, aromatic; oxidative enzymic foam compns. for
dyeing keratinous fibers)
- IT Amines, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study);
USES (Uses)
(diamines; oxidative enzymic foam compns. for dyeing
keratinous fibers)
- IT Fur
Hide
Wool
(dyeing of; oxidative enzymic foam compns. for dyeing
keratinous fibers)
- IT Hair preparations
(dyes, oxidative; oxidative enzymic foam compns. for
dyeing keratinous fibers)
- IT Dyeing
(foam; oxidative enzymic foam compns. for dyeing
keratinous fibers)
- IT Aspergillus
Botrytis
Collybia

Coprinus
 Coriolus
 Fomes
 Fungi
 Lentinus
 Myceliophthora
 Myceliophthora thermophila
 Neurospora
 Phlebia
 Phlebia radiata
 Pleurotus
 Podospora
 Polyporus
 Polyporus pinsitus
 Pyricularia
 Pyricularia oryzae
 Rhizoctonia
 Rhizoctonia solani
 Scytalidium
 Scytalidium thermophilum
 Trametes hirsuta
 Trametes versicolor
 (laccase of; oxidative enzymic foam compns. for dyeing
 keratinous fibers)
 IT Phenols, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses)
 (naphthols; oxidative enzymic foam compns. for dyeing
 keratinous fibers)
 IT Surfactants
 (nonionic; oxidative enzymic foam compns. for dyeing
 keratinous fibers)
 IT Foaming agents
 (oxidative enzymic foam compns. for dyeing keratinous
 fibers)
 IT Phenols, biological studies
 Soaps
 RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses)
 (oxidative enzymic foam compns. for dyeing keratinous
 fibers)
 IT Dyes
 (oxidative; oxidative enzymic foam compns. for dyeing
 keratinous fibers)
 IT Enzymes, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses)
 (oxidizing; oxidative enzymic foam compns. for dyeing
 keratinous fibers)
 IT Amines, biological studies
 Amines, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses)
 (phenolic; oxidative enzymic foam compns. for dyeing
 keratinous fibers)
 IT Phenols, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study);
 USES (Uses)
 (polyphenols, nonpolymeric; oxidative enzymic foam compns.
 . for dyeing keratinous fibers)

IT Surfactants
(zwitterionic; oxidative enzymic foam compns. for
dyeing keratinous fibers)

IT 95-55-6, o-Aminophenol 95-70-5, p-Toluenediamine 106-50-3,
p-Phenylenediamine, biological studies 151-21-3, Sodium dodecyl
sulfate, biological studies 9002-10-2, Tyrosinase 9003-99-0,
Peroxidase 9004-82-4 9035-73-8, Oxidase 9055-15-6,
Oxidoreductase 58823-88-4, Betaine phosphate 80498-15-3,
Laccase
RL: BUU (Biological use, unclassified); BIOL (Biological study);
USES (Uses)
(oxidative enzymic foam compns. for dyeing keratinous
fibers)

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN
THE RE FORMAT

L41 ANSWER 24 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1998:700925 HCAPLUS [Full-text](#)

DOCUMENT NUMBER: 129:332068

TITLE: Water permeating agent for textile
products and water permeable textile products

INVENTOR(S): Kita, Setsuo; Komeda, Haruhiko; Higashiguchi,
Teruo; Takahashi, Kazuhide; Oota, Sumio

PATENT ASSIGNEE(S): Matsumoto Yushi-Seiyaku Co., Ltd., Japan

SOURCE: U.S., 7 pp., Cont.-in-part of U.S. Ser. No.
672,051, abandoned.
CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

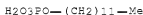
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5827443	A	19981027	US 1997-821971	199703 14
			<--	
JP 10053958	A	19980224	JP 1996-169093	199606 28
			<--	
JP 3571465	B2	20040929		
PRIORITY APPLN. INFO.:			JP 1995-161795	A 199506 28
			<--	
			US 1996-672051	B2 199606 26
			<--	
			JP 1996-145576	A 199606 07
			<--	

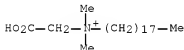
AB A water permeating agent for textiles comprises (a) ≥ 1 member selected from
polyalkylpolyamine amide, its alkylene oxide adducts and mixts. thereof, and
(b) ≥ 1 member selected from trialkylglycine derivative, alkyl imidazolium

hydroxyethyl glycine derivs. and mixts. thereof, wherein component (b) is present in an amount of 0.2 to 5 parts per weight based on one part by weight of component (a). The water permeating agent imparts water permeability durable against repeated water permeation, and sufficient fiber cohesion to binder fibers, which are processed into textile products, such as nonwovens.

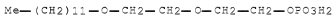
- IT 17626-83-4, Sodium dodecylphosphate 108400-66-4
122107-52-2 186767-25-9
- RL: TEM (Technical or engineered material use); USES (Uses)
(water permeating agent for textile products
and water permeable textile products)
- RN 17026-83-4 HCAPLUS
- CN Phosphoric acid, monododecyl ester, sodium salt (1:?) (CA INDEX NAME)



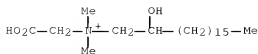
- RN 108400-66-4 HCAPLUS
- CN 1-Octadecanaminium, N-(carboxymethyl)-N,N-dimethyl-, hydroxide (1:1)
(CA INDEX NAME)



- RN 122107-52-2 HCAPLUS
- CN Ethanol, 2-[2-(dodecyloxy)ethoxy]-, dihydrogen phosphate, monosodium salt (9CI) (CA INDEX NAME)



- RN 186767-25-9 HCAPLUS
- CN 1-Octadecanaminium, N-(carboxymethyl)-2-hydroxy-N,N-dimethyl-, hydroxide (9CI) (CA INDEX NAME)



IC ICM D06M013-325
 INCL 252008610
 CC 40-9 (Textiles and Fibers)
 ST textile water permeation agent; polyamine amide water permeation agent; glycine deriv water permeation agent; imidazolium hydroxyethyl glycine water permeation agent
 IT Polyamines
 Polyamines
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (polyamide-, polyalkyl; water permeating agent for textile products and water permeable textile products)
 IT Polyamides, uses
 Polyamides, uses
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (polyamine-, polyalkyl; water permeating agent for textile products and water permeable textile products)
 IT Nonwoven fabrics
 Textiles
 (water permeating agent for textile products and water permeable textile products)
 IT Polypropene fibers, processes
 RL: PEP (Physical, engineering or chemical process); PROC (Process)
 (water permeating agent for textile products and water permeable textile products)
 IT 57-11-4DP, Stearic acid, condensate with aminoethylamine ethanol amine 75-21-8DP, Ethylene oxide, adducts with aminoamides 108-00-9DP, condensate with behenic acid 111-40-0DP, Diethylenetriamine, condensate with behenic acid 111-41-1DP, condensate with stearic acid 112-85-6DP, Behenic acid, condensate with diethylenetriamine 215179-70-7P, Adipic acid-ethoxylated diethylenetriamine copolymer 215179-71-8P
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (water permeating agent for textile products and water permeable textile products)
 IT 13039-26-4 15826-19-4 17926-63-4, Sodium dodecylphosphate 108400-66-4 122197-52-2 186767-25-9
 RL: TEM (Technical or engineered material use); USES (Uses)
 (water permeating agent for textile products and water permeable textile products)
 REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 1997:264584 HCAPLUS Full-text
 DOCUMENT NUMBER: 126:239219
 TITLE: Manufacture of polyester compositions
 containing alumina and dispersants giving
 abrasion-resistant films or fibers
 INVENTOR(S): Odajima, Akio; Hayashi, Gen; Ookawa, Hiromoto
 PATENT ASSIGNEE(S): Toray Industries, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09040850	A	19970210	JP 1995-190399	199507 26
				<--
PRIORITY APPLN. INFO.:			JP 1995-190399	199507 26
				<--

OTHER SOURCE(S): MARPAT 126:239219

AB Title compns. are manufactured by addition of slurries of alumina particles with different crystal structures dispersed by P compds. and ammonia or lower amines, to polymerization mixts. of aromatic dicarboxylic acids and aliphatic glycols at any stage. Thus, di-Me terephthalate was ester-exchanged with ethylene glycol, then polymerized in the presence of a slurry containing δ - and θ -alumina and tetraethylammonium phosphate to give a PET composition with intrinsic viscosity 0.617, which was extruded into a film and biaxially stretched. The obtained film showed Ra 0.011 μ m and good abrasion resistance.
 IT 10124-31-9, Ammonium phosphate 76206-78-5
 RL: MOA (Modifier or additive use); USES (Uses)
 (dispersant; manufacture of polyester compns. containing alumina, amines, and phosphorus compds. for abrasion-resistant films and fibers)
 RN 10124-31-9 HCAPLUS
 CN Phosphoric acid, ammonium salt (1:?) (CA INDEX NAME)



● NH₃

RN 76206-78-5 HCAPLUS
 CN Ethanaminium, N,N,N-triethyl-, phosphate(3-) (3:1) (CA INDEX NAME)
 CM 1
 CRN 14265-44-2

CMF O4 P



CM 2

CRN 66-40-0

CMF C8 H20 N



- IC ICM C08L067-00
ICS C08G063-78; C08K003-22
- CC 37-6 (Plastics Manufacture and Processing)
Section cross-reference(s): 38, 40
- IT Films
Films
(abrasion-resistant; manufacture of polyester compns. containing alumina, amines, and phosphorus compds. for abrasion-resistant films and fibers)
- IT Dispersing agents
(amines and phosphorus compds.; manufacture of polyester compns. containing alumina, amines, and phosphorus compds. for abrasion-resistant films and fibers)
- IT Abrasion-resistant materials
Abrasion-resistant materials
(films; manufacture of polyester compns. containing alumina, amines, and phosphorus compds. for abrasion-resistant films and fibers)
- IT Polymerization
(manufacture of polyester compns. containing alumina, amines, and phosphorus compds. for abrasion-resistant films and fibers)
- IT Polyester fibers, preparation
Polyesters, preparation
RL: IMF (Industrial manufacture); POF (Polymer in formulation); PRP (Properties); PREP (Preparation); USES (Uses)
(manufacture of polyester compns. containing alumina, amines, and phosphorus compds. for abrasion-resistant films and fibers)
- IT Quaternary ammonium compounds, properties
RL: MOA (Modifier or additive use); PRP (Properties); USES (Uses)
(phosphates, dispersants; manufacture of polyester compns. containing alumina, amines, and phosphorus compds. for abrasion-resistant films and fibers)
- IT 10124-31-9, Ammonium phosphate 16206-78-5
RL: MOA (Modifier or additive use); USES (Uses)
(dispersant; manufacture of polyester compns. containing

2/8/2008

- alumina, amines, and phosphorus compds. for abrasion-resistant films and fibers)
- IT 25038-59-9P, Dimethyl terephthalate-ethylene glycol copolymer, sru, preparation
 RL: IMF (Industrial manufacture); POF (Polymer in formulation); PRP (Properties); PREP (Preparation); USES (Uses)
 (manufacture of polyester compns. containing alumina, amines, and phosphorus compds. for abrasion-resistant films and fibers)
- IT 1344-28-1, Alumina, uses
 RL: MOA (Modifier or additive use); USES (Uses)
 (with different crystal structures; manufacture of polyester compns. containing alumina, amines, and phosphorus compds. for abrasion-resistant films and fibers)

L41 ANSWER 26 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1997:1960 HCAPLUS Full-text
 DOCUMENT NUMBER: 126:32974
 TITLE: Oiling agent-treated scumming-free polyester fibers for industrial uses
 INVENTOR(S): Murata, Yoshe; Adachi, Yasuo; Umeda, Akira
 PATENT ASSIGNEE(S): Toray Industries, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08260350	A	19961008	JP 1995-61075	19950320
JP 3296127	B2	20020624		
PRIORITY APPLN. INFO.:			JP 1995-61075	19950320

- AB Polyester fibers having monofilament fineness ≥ 0.5 denier and sedimentation velocity ≤ 30 s at 25° are obtained by treatment of polyester fibers with 0.05-0.4% oiling agents containing average C16-22 saturated aliphatic hydrocarbyl group-containing phosphate ester K salts 50-70, a paraffin wax 10-20, cationic surfactants and/or anionic surfactants 10-15, and R1N[(C2H4O)10H](C2H4O)mOH (R1 = C10-14 aliphatic hydrocarbyl; 1 + m = 5-15) and/or 4-R2C6H4(C2H4O)nOH (R2 = C8-10 aliphatic hydrocarbyl; n = 5-10) 4-15%. Waterproofing agents, polymers, etc., easily penetrate into the fibers, and no scum formation is observed during processing of the fibers. Thus, an oiling agent containing K stearyl phosphate 60, a paraffin wax 12, trimethyloctylammonium di-Me phosphate 12, polyoxyethylene laurylamine ether 4, polyoxyethylene nonylphenyl ether 4, and polyoxyethylene lauryl ether 8 parts was sprayed on a polyester tow, cut, carded, and drawn to show no scum formation.
- IT 66987-29-1, Potassium stearyl phosphate 84861-79-0
 , Potassium cetyl phosphate 85153-34-0,
 Trimethyloctylammonium dimethyl phosphate
 RL: PRP (Properties); TEM (Technical or engineered material use);
 USES (Uses)
 (oiling agent-treated scumming-free polyester fibers for industrial uses)

RN 68987-29-1 HCAPLUS

CN 1-Octadecanol, phosphate, potassium salt (CA INDEX NAME)

CM 1

CRN 7664-38-2

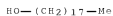
CMF H3 O4 P



CM 2

CRN 112-92-5

CMF C18 H38 O



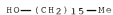
RN 84861-79-0 HCAPLUS

CN 1-Hexadecanol, phosphate, potassium salt (CA INDEX NAME)

CM 1

CRN 36653-82-4

CMF C16 H34 O



CM 2

CRN 7664-38-2

CMF H3 O4 P



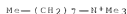
RN 85153-34-0 HCAPLUS

CN 1-Octanaminium, N,N,N-trimethyl-, dimethyl phosphate (1:1) (CA INDEX NAME)

CM 1

2/8/2008

CRN 15461-38-8
CMF C11 H26 N



CM 2

CRN 7351-83-9
CMF C2 H6 O4 P



- IC ICM D06M013-292
ICS D01F006-62; D06M013-02
CC 40-7 (Textiles and Fibers)
IT Surfactants
RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(anionic; oiling agent-treated scumming-free polyester fibers for industrial uses)
- IT Surfactants
RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(cationic; oiling agent-treated scumming-free polyester fibers for industrial uses)
- IT Canvas
Lubricating oils
(oiling agent-treated scumming-free polyester fibers for industrial uses)
- IT Hydrocarbon waxes, uses
Polyester fibers, uses
RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(oiling agent-treated scumming-free polyester fibers for industrial uses)
- IT 9002-92-0, Polyoxyethylene lauryl ether 9016-45-9, Polyoxyethylene nonylphenyl ether 31017-83-1
RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(oiling agent-treated scumming-free polyester fibers for industrial uses)
- IT 68987-29-1, Potassium stearyl phosphate 64861-79-0, Potassium cetyl phosphate 85153-34-0, Trimethyloctylammonium dimethyl phosphate
RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(oiling agent-treated scumming-free polyester fibers for industrial uses)

L41 ANSWER 27 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1995:833296 HCAPLUS Full-text
 DOCUMENT NUMBER: 124:11398
 TITLE: Anionic-cationic surfactant mixtures
 for removing oily stains from fabrics
 INVENTOR(S): Mehreteab, Ammanuel; Loprest, Frank J.
 PATENT ASSIGNEE(S): Colgate Palmolive Co., USA
 SOURCE: U.S., 43 pp. Cont. of U.S. Ser. No.382, 127,
 abandoned.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5441541	A	19950815	US 1992-829120	19920131
			<--	
US 5472455	A	19951205	US 1993-103948	19930810
			<--	
PRIORITY APPLN. INFO.:			US 1989-382137	B1 19890719
			<--	
			US 1992-829120	A1 19920131
			<--	

OTHER SOURCE(S): MARPAT 124:11398

AB Water-soluble complexes of cationic surfactants such as (alkoxylated) quaternary ammonium compds. and anionic surfactants such as sulfate, sulfonate, carboxylate, or phosphate type exhibit better capability in removing oily stains from fabrics than either the cationic or anionic surfactant from which they are formed. A typical complex comprised tetradecyltrimethylammonium bromide and Emphos PS-236 (mixture of mono- and diester phosphates of a hydroxy-terminated alkoxide condensate).

IT 1119-94-4, Dodecyltrimethylammonium bromide
 1119-97-7, Tetradecyltrimethylammonium bromide
 42612-52-2, Emphos PS 236

RL: TEM (Technical or engineered material use); USES (Uses)
 (anionic-cationic surfactant mixes. for removing oily stains from fabrics)

RN 1119-94-4 HCAPLUS

CN 1-Dodecanaminium, N,N,N-trimethyl-, bromide (1:1) (CA INDEX NAME)

Me₃N—(CH₂)₁₁—Me



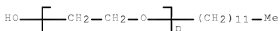
RN 1119-97-7 HCAPLUS
 CN 1-Tetradecanaminium, N,N,N-trimethyl-, bromide (1:1) (CA INDEX NAME)



RN 42612-52-2 HCAPLUS
 CN Poly(oxy-1,2-ethanediyl), α -dodecyl- ω -hydroxy-, phosphate, sodium salt (CA INDEX NAME)

CM 1

CRN 9002-92-0
 CMF (C2 H4 O)_n C12 H26 O
 CCI PMS



CM 2

CRN 7664-38-2
 CMF H3 O4 P



IC ICM C11D001-18
 ICS C11D001-12; C11D001-38
 INCL 008137000
 CC 46-5 (Surface Active Agents and Detergents)
 ST laundry detergent oil stain remover; carboxylate surfactant mixt laundry detergent; sulfonate surfactant mixt laundry detergent; sulfate surfactant mixt laundry detergent; phosphate surfactant mixt laundry detergent; alkoxyated quaternary ammonium mixt laundry detergent
 IT Phosphates, uses
 Quaternary ammonium compounds, uses
 RL: TEM (Technical or engineered material use); USES (Uses) (polyalkoxylated; anionic-cationic surfactant mixts. for removing oily stains from fabrics)
 IT Polyoxyalkylenes, uses
 RL: TEM (Technical or engineered material use); USES (Uses) (sulfate esters and quaternary ammonium derivs. and phosphate

esters; anionic-cationic surfactant mixts. for removing oily stains from fabrics)

IT Soaps

RL: TEM (Technical or engineered material use); USES (Uses)
(coco, anionic-cationic surfactant mixts. for removing oily stains from fabrics)

IT Quaternary ammonium compounds, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(coco alkylbis(hydroxyethyl)methyl, ethoxylated, chlorides, anionic-cationic surfactant mixts. for removing oily stains from fabrics)

IT Detergents

(laundry, anionic-cationic surfactant mixts. for removing oily stains from fabrics)

IT Soaps

RL: TEM (Technical or engineered material use); USES (Uses)
(tallow, anionic-cationic surfactant mixts. for removing oily stains from fabrics)

IT 36563-57-2

RL: TEM (Technical or engineered material use); USES (Uses)
(Ethoquad T 20B; anionic-cationic surfactant mixts. for removing oily stains from fabrics)

IT 1119-94-4, Dodecyltrimethylammonium bromide

1119-97-7, Tetradecyltrimethylammonium bromide 9004-82-4
25155-30-0, Sodium dodecylbenzenesulfonate 28724-32-5, Ethoquad
18/25 42612-52-2, Emphos PS 236 171543-96-7, Alifonic
1214-65

RL: TEM (Technical or engineered material use); USES (Uses)
(anionic-cationic surfactant mixts. for removing oily stains from fabrics)

L41 ANSWER 28 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1995:753849 HCAPLUS Full-text

DOCUMENT NUMBER: 123:343297

TITLE: Aerosol-type nonflammable finishing agent compositions for fibers

INVENTOR(S): Nakamura, Kazuto; Takeuchi, Katsuyuki

PATENT ASSIGNEE(S): Lion Corp, Japan

SOURCE: Jpn. Kokai Tokyo Koho, 6 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
JP 07150469	A	19950613	JP 1993-329757	199311 30

<--

PRIORITY APPLN. INFO.: JP 1993-329757

199311
30

<--

AB The compns. contain finishing components 0.1-5.0, ≥ 1 C1-4 alkanols 40-80, 1,1,1,2-tetrafluoroethane 20-56, and nonflammable compressed gases 0.1-3%. Thus, an aerosol spray comprising Defensa MCF 323 (F-based water repellent) 0.68, EtOH 76.55, HFC 134a 20.83, and CO2 1.94% showed good nonflammability.

IT 10378-14-0 35604-29-6, Polyethylene glycol lauryl
ether phosphate sodium salt
RL: PRP (Properties); TEM (Technical or engineered material use);
USES (Uses)
(antistatic agent; aerosol-type nonflammable finishing
agent compns. for fibers)

RN 10378-14-0 HCAPLUS

CN 1-Octadecanaminium, N-ethyl-N-methyl-N-octadecyl-, ethyl sulfate
(1:1) (CA INDEX NAME)

CM 1

CRN 48028-76-8

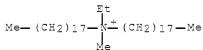
CMF C2 H5 O4 S

Et—O—SO₃⁻

CM 2

CRN 45315-62-6

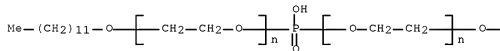
CMF C39 H82 N



RN 35604-29-6 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), α,α'-phosphinicobis[ω-(
dodecyloxy)-, sodium salt (1:1) (CA INDEX NAME)

PAGE 1-A



● Na

PAGE 1-B

—(CH₂)₁₁—Me

IC ICM D06M013-08
ICS C09K003-30; D06M023-06
CC 40-9 (Textiles and Fibers)

2/8/2008

- IT Deodorants
(deodorant; aerosol-type nonflammable finishing agent compns. for fibers)
- IT Flavonoids
RL: PRP (Properties); TEM (Technical or engineered material use);
USES (Uses)
(deodorant; aerosol-type nonflammable finishing agent compns. for fibers)
- IT Fluoropolymers
Siloxanes and Silicones, uses
RL: PRP (Properties); TEM (Technical or engineered material use);
USES (Uses)
(water and oil repellent; aerosol-type nonflammable finishing agent compns. for fibers)
- IT Sprays
(aerosols, aerosol-type nonflammable finishing agent compns. for fibers)
- IT Quaternary ammonium compounds, uses
RL: BUU (Biological use, unclassified); PRP (Properties); TEM (Technical or engineered material use); BIOL (Biological study);
USES (Uses)
(alkylbenzyltrimethyl, chlorides, microbicide; aerosol-type nonflammable finishing agent compns. for fibers)
- IT Siloxanes and Silicones, uses
RL: PRP (Properties); TEM (Technical or engineered material use);
USES (Uses)
(amino, creaseproofing agents; aerosol-type nonflammable finishing agent compns. for fibers)
- IT Siloxanes and Silicones, uses
RL: PRP (Properties); TEM (Technical or engineered material use);
USES (Uses)
(quaternary ammonium group-containing, color-deepening agents; aerosol-type nonflammable finishing agent compns. for fibers)
- IT 169952-31-2D, quaternized
RL: PRP (Properties); TEM (Technical or engineered material use);
USES (Uses)
(UV absorbers; aerosol-type nonflammable finishing agent compns. for fibers)
- IT 64-17-5, Ethanol, uses 67-56-1, Methanol, uses 67-63-0, 2-Propanol, uses 35296-72-1, Butanol
RL: PRP (Properties); TEM (Technical or engineered material use);
USES (Uses)
(aerosol-type nonflammable finishing agent compns. for fibers)
- IT 10378-11-0 35604-29-6, Polyethylene glycol lauryl ether phosphate sodium salt
RL: PRP (Properties); TEM (Technical or engineered material use);
USES (Uses)
(antistatic agent; aerosol-type nonflammable finishing agent compns. for fibers)
- IT 124-38-9, Carbon dioxide, uses 811-97-2, HFC 134a 7727-37-9, Nitrogen, uses
RL: PRP (Properties); TEM (Technical or engineered material use);
USES (Uses)
(propellant; aerosol-type nonflammable finishing agent compns. for fibers)
- IT 9016-00-6, Dimethyl siloxane 31900-57-9, Dimethylsilanediol

homopolymer 115515-73-6, Defensa MCF 312
 RL: PRP (Properties); TEM (Technical or engineered material use);
 USES (Uses)

(water and oil repellent; aerosol-type nonflammable finishing
 agent compns. for fibers)

IT 124759-27-9, Defensa MCF 323

RL: PRP (Properties); TEM (Technical or engineered material use);
 USES (Uses)

(water repellent; aerosol-type nonflammable finishing
 agent compns. for fibers)

L41 ANSWER 29 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1992:409753 HCAPLUS [Full-text](#)

DOCUMENT NUMBER: 117:9753

TITLE: Use of alkanolamines as auxiliary curing
 agents and catalysts in finishing
 cellulosic textiles

INVENTOR(S): Welch, C. M.

PATENT ASSIGNEE(S): Agricultural Research Service, USA

SOURCE: U. S. Pat. Appl., 48 pp. Avail. NTIS Order No.

PAT-APPL-6-769 288.

CODEN: XXXXAV

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 769288	A0	19920201	US 1991-769288	19911001

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PRIORITY APPLN. INFO.:	US 1991-769288	19911001
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AB The use of tertiary alkanolamines containing ≥ 2 OH groups/mol. as auxiliary curing agents in the crosslinking of cellulosic textiles with polycarboxylic acids reduces catalyst requirements and increases the durability of the resulting smooth drying finish to laundering with alkaline detergents. Usable polycarboxylic acids include those containing ≥ 3 CO₂H groups per mol., and usable catalysts include alkali metal salts of P-containing inorg. acids. Addition of 1-3% triethanolamine (I) to a durable press bath finishing composition containing 1,2,3,4-butanetetracarboxylic acid (II) crosslinker 6.0, Na hypophosphite curing catalyst 3.3, and nonionic emulsifier 0.5% increased the initial smooth drying performance of the treated cotton printcloth, even after >150 launderings, presumably due to chemical bonding of I to the cellulose of the cotton fabric. I served as a crosslinking accelerator and also as a modifier of the crosslinkages produced by II.

IT 4328-04-5, Tetraethanolammonium bromide 10017-56-8

, Triethanolamine phosphoric acid salt 35365-54-7,

Triethylammonium dihydrogen phosphate

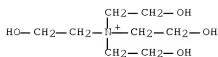
RL: USES (Uses)

(crosslinking catalyst and agent, for durable press
 finishing of cellulosic textiles)

RN 4328-04-5 HCAPLUS

CN Ethanaminium, 2-hydroxy-N,N,N-tris(2-hydroxyethyl)-, bromide (1:1)

(CA INDEX NAME)



RN 10017-56-8 HCAPLUS

CN Ethanol, 2,2',2''-nitrilotris-, phosphate (1:?) (CA INDEX NAME)

CM 1

CRN 7664-38-2

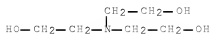
CMF H3 O4 P



CM 2

CRN 102-71-6

CMF C6 H15 N O3



RN 35365-94-7 HCAPLUS

CN Ethanamine, N,N-diethyl-, phosphate (1:1) (CA INDEX NAME)

CM 1

CRN 7664-38-2

CMF H3 O4 P



CM 2

2/8/2008

CRN 121-44-8
 CME C6 H15 N



IT 7558-79-4, Disodium phosphate 7558-80-7,
 Monosodium phosphate 7601-54-9, Trisodium phosphate
 7681-53-0, Sodium hypophosphite 7758-16-3
 RL: CAT (Catalyst use); USES (Uses)
 (crosslinking catalysts, for durable press finishing of
 cellulosic fabrics)
 RN 7558-79-4 HCAPLUS
 CN Phosphoric acid, sodium salt (1:2) (CA INDEX NAME)



●2 Na

RN 7558-80-7 HCAPLUS
 CN Phosphoric acid, sodium salt (1:1) (CA INDEX NAME)



● Na

RN 7601-54-9 HCAPLUS
 CN Phosphoric acid, sodium salt (1:3) (CA INDEX NAME)

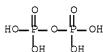


●3 Na

RN 7681-53-0 HCAPLUS
 CN Phosphinic acid, sodium salt (1:1) (CA INDEX NAME)



RN 7758-16-9 HCAPLUS
 CN Diphosphoric acid, sodium salt (1:2) (CA INDEX NAME)



CC 40-9 (Textiles and Fibers)
 Section cross-reference(s): 37
 IT Crosslinking agents
 (polycarboxylic acids, for durable press finishing of cellulosic textiles)
 IT Alcohols, uses
 RL: USES (Uses)
 (amino, crosslinking catalysts and agents, for durable press finishing of cellulosic textiles)
 IT 102-71-6, Triethanolamine, uses 122-20-3, Triisopropanolamine
 150-25-4, N,N-Bis(2-hydroxyethyl) glycine 4328-04-5,
 Tetraethanolammonium bromide 16017-56-8, Triethanolamine
 phosphoric acid salt 32154-53-3 35365-94-7,
 Triethylammonium dihydrogen phosphate
 RL: USES (Uses)
 (crosslinking catalyst and agent, for durable press finishing of cellulosic textiles)
 IT 7558-79-4, Disodium phosphate 7558-80-7,
 Monosodium phosphate 7601-54-9, Trisodium phosphate
 7681-53-0, Sodium hypophosphite 7758-16-9
 RL: CAT (Catalyst use); USES (Uses)
 (crosslinking catalysts, for durable press finishing of cellulosic fabrics)
 L41 ANSWER 30 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1991:209200 HCAPLUS Full-text
 DOCUMENT NUMBER: 114:209200
 TITLE: Fluid-permeable agent for nonwoven
 sheets of polyolefin fibers to impart improved
 hygroscopicity
 INVENTOR(S): Kato, Tomohiro; Takasu, Yoshio; Minafuji, Makoto
 PATENT ASSIGNEE(S): Takemoto Oil and Fat Co., Ltd., Japan
 SOURCE: U.S., 6 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4988449	A	19910129	US 1989-400356	19890830
JP 01006176	A	19890110	JP 1987-158162	19870625
JP 03050030	B	19910731		
PRIORITY APPLN. INFO.:			JP 1987-158162	A 19870625
			US 1988-210636	B2 19880623

OTHER SOURCE(S):

MARPAT 114:209200

AB The title agent comprises 70-95% aliphatic diethanolamide RCON(CH₂CH₂OH)₂ (R = C11-17 alkyl, alkenyl) and 5-30% polyoxyalkylene derivative nonionic surfactant, alkyl phosphate salt (R1O) aP(O)(OH) b (R1 = C12-18 alkyl or alkenyl; M = Na, K, NH₄; a, b ≥ 1; a + b = 3), quaternary ammonium salts (R2)2(R3)2N+ X- (R2 = C12-18 alkyl or alkenyl; R3 = H, C1-2 alkyl or hydroxyalkyl, R2; X = halo, residue of organic or inorg. acid, C1-2 alkyl sulfate or phosphate), and/or alkylimidazolium salt. Thus, a carded web of spun fibers from polyethylene as sheath and a polyester as core was treated with a mixture containing 50% stearic acid diethanolamide and 50% polyethylene glycol monostearate to give a web, which exhibited time required for absorption of 1 drop of H₂O 4 s, vs. 20 s for the web treated with Na sulfosuccinate.

IT 107-64-2, Dimethyldistearylammonium chloride

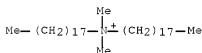
68987-29-1, Potassium stearyl phosphate

RL: USES (Uses)

(hydrophilization agents, with stearicdiethanolamide,
for polyolefin fibers)

RN 107-64-2 HCAPLUS

CN 1-Octadecanaminium, N,N-dimethyl-N-octadecyl-, chloride (1:1) (CA
INDEX NAME)



● C1-

RN 68987-29-1 HCAPLUS

CN 1-Octadecanol, phosphate, potassium salt (CA INDEX NAME)

CM 1

CRN 7664-38-2

CMF H3 O4 P



CM 2

CRN 112-92-5

CMF C18 H38 O

HO—(CH₂)₁₇—Me

- IC ICM D06M013-10
ICS D06M013-419; D06M013-473; D06M013-292
- INCL 252008800
- CC 40-9 (Textiles and Fibers)
- ST stearicdiethanolamide hydrophilization agent polyolefin fiber; hydrophilization polyolefin fiber; polyoxyethylene monostearate hydrophilization agent
- IT Polyester fibers, uses and miscellaneous
RL: USES (Uses)
(bicomponent with polyethylene fiber, hydrophilization agents for)
- IT Polyolefin fibers
RL: USES (Uses)
(hydrophilization agents for, aliphatic diethanolamide mixts. with nonionic surfactants, alkyl phosphate salts, quaternary ammonium salts and/or alkylimidazolinium salts as)
- IT Quaternary ammonium compounds, uses and miscellaneous
RL: USES (Uses)
(hydrophilization agents, with aliphatic diethanolamides, for polyolefin fibers)
- IT Synthetic fibers, polymeric
RL: USES (Uses)
(ethylene, bicomponent with polyester fibers, hydrophilization agents for, aliphatic diethanolamide mixts. with nonionic surfactants, alkyl phosphate salts, quaternary ammonium salts and/or alkylimidazolinium salts as)
- IT Surfactants
(nonionic, hydrophilization agents, with aliphatic diethanolamides, for polyolefin fibers)
- IT 9002-88-4, Polyethylene
RL: USES (Uses)
(fiber, bicomponent with polyesters, hydrophilization agents for)
- IT 93-82-3, Stearicdiethanolamide
RL: USES (Uses)
(hydrophilization agents, for polyolefin fibers)
- IT 41080-66-4
RL: USES (Uses)

2/8/2008

(hydrophilization agents, with lauricdiethanolamide,
for polyolefin fibers)

IT 120-40-1, Lauricdiethanolamide
RL: USES (Uses)
(hydrophilization agents, with stearic acid
diethanolamide, for polyolefin fibers)

IT 167-64-2, Dimethyldistearylammonium chloride 9004-99-3,
Polyethylene glycol monostearate 9005-00-9, Polyethylene glycol
monostearyl ether 27252-75-1, Polyethylene glycol monoethyl ether
31587-81-2 47525-38-2 68987-29-1, Potassium stearyl
phosphate
RL: USES (Uses)
(hydrophilization agents, with stearicdiethanolamide,
for polyolefin fibers)

L41 ANSWER 31 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1990:613823 HCAPLUS Full-text

DOCUMENT NUMBER: 113:213823

TITLE: Finishing of cationic agent-treated
fabrics by anionic and amphoteric agents
INVENTOR(S): Nakao, Katsuaki; Ishido, Kazutaka; Sato, Koji
PATENT ASSIGNEE(S): Ipposha Oil and Industries Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 02080664	A	19900320	JP 1988-233311	198809 18
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PRIORITY APPLN. INFO.:			JP 1988-233311	198809 18
			<--	

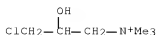
AB Fabrics are treated with agents which provide cationic groups followed by treatment with anionic or amphoteric agents to give fabrics containing finishes having good durability and washfastness. A cotton fabric was impregnated with an aqueous solution containing 5.0% (3-chloro-2-hydroxypropyl)trimethylammonium chloride and 1.5% NaOH, squeezed, dried at 110°, washed, neutralized with AcOH, washed, dried, impregnated with an aqueous solution containing 5 g/L Royalsoft A 10 (sulfonate surfactant) at 60°, and squeezed to give a softened fabric showing retention of softness and water repellency after repeated washing.

IT 3327-22-8 96550-06-0

RL: USES (Uses)
(fabrics modified by, cationic, for finishing with
anionic and amphoteric agents)

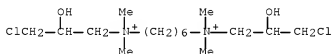
RN 3327-22-8 HCAPLUS

CN 1-Propanaminium, 3-chloro-2-hydroxy-N,N,N-trimethyl-, chloride (1:1)
(CA INDEX NAME)



RN 96550-06-0 HCAPLUS

CN 1,6-Hexanediaminium, N1,N6-bis(3-chloro-2-hydroxypropyl)-N1,N1,N6,N6-tetramethyl-, chloride (1:2) (CA INDEX NAME)



IT 3884-62-6

RL: USES (Uses)
(fireproofing agents, cationic fabrics
containing, washfast)

RN 3884-62-6 HCAPLUS

CN 1,3,2-Dioxaphosphorinane, 2-hydroxy-, 2-oxide, ammonium salt (9CI)
(CA INDEX NAME)



IT 51161-67-2, Sodium stearyl phosphate

RL: USES (Uses)
(softening agents, cationic fabrics containing,
washfast)

RN 51161-67-2 HCAPLUS

CN Phosphoric acid, octadecyl ester, sodium salt (CA INDEX NAME)

CM 1

CRN 7664-38-2

CMF H3 O4 P



CM 2

CRN 112-92-5

CMF C18 H38 O

HO—(CH₂)₁₇—Me

- IC ICM D06M013-00
ICS D06M013-46
- CC 40-9 (Textiles and Fibers)
- ST finish ionic fabric washfastness; amphoteric cationic finishing fabric; anionic cationic finishing fabric; chlorohydroxypropylammonium chloride finishing fabric; ammonium agent finishing fabric; softening finish fabric washfastness; water repellency finish fabric; sulfonate softener cationic fabric
- IT Antistatic agents
Fireproofing agents
Softening agents
(anionic and amphoteric, cationic fabrics containing, washfast)
- IT Cotton
Wool
Acrylic fibers, uses and miscellaneous
Polyester fibers, uses and miscellaneous
Rayon, uses and miscellaneous
RL: USES (Uses)
(finishing of cationic, by anionic and amphoteric agents, washfast)
- IT 130175-81-4, Zwitter 77
RL: USES (Uses)
(antistatic agents, cationic fabrics containing, washfast)
- IT 3327-22-8 26062-79-3, Poly(dimethyldiallylammonium chloride) 96550-06-0 130141-02-5 130141-03-6 130414-13-0
RL: USES (Uses)
(fabrics modified by, cationic, for finishing with anionic and amphoteric agents)
- IT 3864-62-6
RL: USES (Uses)
(fireproofing agents, cationic fabrics containing, washfast)
- IT 9004-34-6
RL: USES (Uses)
(rayon, finishing of cationic, by anionic and amphoteric agents, washfast)
- IT 51161-67-2, Sodium stearyl phosphate 130175-12-1, Royalsoft A 10 130175-17-6, Softner 750 130192-54-0
RL: USES (Uses)

2/8/2008

(softening agents, cationic fabrics containing,
washfast)

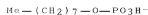
L41 ANSWER 32 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1987:441657 HCAPLUS Full-text
 DOCUMENT NUMBER: 107:41657
 TITLE: Antistatic agents for synthetic fibers
 INVENTOR(S): Saiki, Masaji; Imai, Yoshio; Takagi, Makoto
 PATENT ASSIGNEE(S): Takemoto Oil and Fat Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 61289182	A	19861219	JP 1985-130243	19850614
US 4632767	A	19861230	US 1985-801941	19851126
EP 209256	A1	19870121	EP 1986-304639	19860616
EP 209256	B1	19881207		
R: DE, GB, IT				
PRIORITY APPLN. INFO.:			JP 1985-130243	A 19850614
<--				
AB Synthetic fibers finished with mixts. containing 5-50% quaternary ammonium phosphate salts RNR1R2X+.OP(O)[(OZ)1OR3](OZ)mOR4 [R, R+ = C8-18 alkyl or alkenyl; X, Y, R6, R7 = C1-3 alkyl; R4 = H, C8-18 alkyl or alkenyl; R5 = C7-17 alkyl or alkenyl; R1 = C1-3 alkyl, (ZO)qH; R2 = C1-3 alkyl, (Z1O)rH; q, r = 2-40; q + r = 4-42; OZ, OZ1 = oxyethylene, oxypropylene; l, m = 0-20; l + m = 0-20; n = 2-3] with alkali metal halide content (a) ≤1% and 50-93% C≥18 alkyl phosphate ester alkali metal salts with alkyl group content >50% are antistatic and resistant to yellowing. Thus, polyester staple fibers were spray-coated (0.15%) with an emulsion containing 20 parts trimethylstearilyammonium stearyl phosphate (I; a 0.10%) and 80 parts hexadecyl octadecyl phosphate K salt to give fiber with elec. resistance 7.2 Ω (at 25° and 40% relative humidity) and 10.5 Ω (at 25° and 63% relative humidity). These fibers showed good resistance to yellowing, in contrast to fibers finished with a similar composition containing I with a 1.43%.				
IT 107008-33-3 107008-36-6 109371-35-9				
RL: USES (Uses)				
(antistatic agents, with low metal halide content, synthetic fiber treatment with alkyl phosphate potassium salt and, for reduced yellowing)				
RN 107008-33-3 HCAPLUS				
CN 1-Octanaminium, N,N,N-trimethyl-, octyl phosphate (1:1) (CA INDEX NAME)				

CM 1

CRN 45102-33-8

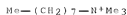
CMF C8 H18 O4 P



CM 2

CRN 15461-38-8

CMF C11 H26 N



RN 107008-36-6 HCAPLUS

CN 1-Octadecanaminium, N,N,N-trimethyl-, octadecyl phosphate (1:1)
(9CI) (CA INDEX NAME)

CM 1

CRN 92523-67-6

CMF C18 H38 O4 P



CM 2

CRN 15461-40-2

CMF C21 H46 N



RN 109371-35-9 HCAPLUS

CN 1-Propanaminium, N,N,N-trimethyl-3-[(1-oxooctyl)amino]-, octyl
phosphate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 100772-84-7

CMF C14 H31 N2 O



CM 2

CRN 45102-33-8

CMF C8 H18 O4 P



- IC ICM D06M013-44
ICS D06M013-32
- CC 40-9 (Textiles and Fibers)
- ST discoloration resistant antistatic polyester fiber; yellowing resistant antistatic polyester fiber; quaternary ammonium compound antistatic agent fiber; methylstearyl ammonium stearyl phosphate antistatic agent fiber; potassium alkyl phosphate antistatic agent fiber
- IT Quaternary ammonium compounds, uses and miscellaneous
RL: USES (Uses)
(antistatic agents, with low metal halide content, synthetic fiber treatment with potassium alkyl phosphates and, for reduced yellowing)
- IT Antistatic agents
(potassium alkyl phosphates containing quaternary ammonium phosphate esters with low metal halide content as, for synthetic fibers, for reduced yellowing)
- IT 107008-33-3 107008-36-6 109301-52-2
109371-35-9
RL: USES (Uses)
(antistatic agents, with low metal halide content, synthetic fiber treatment with alkyl phosphate potassium salt and, for reduced yellowing)
- IT 108549-58-2
RL: USES (Uses)
(antistatic agents, with quaternary ammonium phosphate esters with low metal halide content, for finishing of synthetic fibers with reduced yellowing)

L41 ANSWER 33 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1987:198157 HCAPLUS Full-text

DOCUMENT NUMBER: 106:198157

TITLE: Final rinse softening agents

INVENTOR(S): Rosas Girones, Antonio; Vilamajo Sitjar, Lluís; Schindler, Norbert

PATENT ASSIGNEE(S): Henkel Iberica S. A., Spain

SOURCE: Span., 22 pp.
CODEN: SPXXAD

DOCUMENT TYPE: Patent

LANGUAGE: Spanish

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.

KIND DATE

APPLICATION NO.

DATE

2/8/2008

ES 542482

A1

19851216

ES 1985-542482

198503
29

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PRIORITY APPLN. INFO.:

ES 1985-542482

198503
29

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AB The title compns. are prepared by charging a reactor with a quaternary ammonium compound, agitating between ambient temperature and 60° until a complete dispersion is obtained, adding an acidic compound and cold water, agitating at ≤37°, adding a reduction agent, agitating at 25°, and adding antimicrobial agents, dispersants, perfumes, colorants, and foam regulators under agitation until a homogeneous mass is formed, the pH of which is adjusted to ≤4. In this manner a softening composition was prepared from dimethyldistearyl ammonium chloride 3, orthophosphoric acid 15, H2O2 1, and hydroxyethylethylenediaminetriacetic acid 1%, forming a stable clear liquid with a pH 1. The composition was used in an industrial washing apparatus at 5 g/L of rinse water at 25°, producing hypochlorite-bleached, washed fabrics which were soft to the touch and did not have the odor of Cl.

IT 107-64-2, Dimethyldistearylammonium chloride

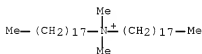
7558-80-7, Sodium dihydrogen phosphate

RL: USES (Uses)

(softening compns. containing, final-rinse, for fabrics)

RN 107-64-2 HCAPLUS

CN 1-Octadecanaminium, N,N-dimethyl-N-octadecyl-, chloride (1:1) (CA INDEX NAME)



● Cl-

RN 7558-80-7 HCAPLUS

CN Phosphoric acid, sodium salt (1:1) (CA INDEX NAME)



● Na

IC ICM C11D001-66

ICS C11D003-06; C11D003-39; C11D003-60

CC 46-3 (Surface Active Agents and Detergents)

Section cross-reference(s): 40

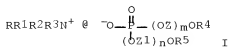
2/8/2008

- ST quaternary ammonium compd softener textile; chlorine odor removing softening agent; stearyl ammonium softener textile; phosphoric acid softener textile; peroxide softener textile; hydroxyethyl ethylenediamine acetic softener textile
- IT Synthetic fibers
RL: USES (Uses)
(fabrics, softening compns. for final rinsing of, with acid-neutralizing and chlorine-odor-removing properties)
- IT Quaternary ammonium compounds, uses and miscellaneous
RL: USES (Uses)
(softening compns. containing, final-rinse, for fabrics)
- IT Softening agents
(with acid-neutralizing and chlorine-odor-removing properties, for final rinsing of fabrics)
- IT 107-64-2, Dimethyldistearyl ammonium chloride 150-39-0, Hydroxyethylethylenediaminetriacetic acid 2809-21-4 5064-31-3 7558-89-7, Sodium dihydrogen phosphate 7664-38-2, uses and miscellaneous 7722-84-1, Hydrogen peroxide, uses and miscellaneous 108180-56-9D, tallow alkyl derivs., methosulfate salts
RL: USES (Uses)
(softening compns. containing, final-rinse, for fabrics)

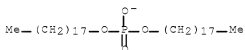
L41 ANSWER 34 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1987:121365 HCAPLUS Full-text
DOCUMENT NUMBER: 106:121365
TITLE: Antistatic agents for synthetic fibers
INVENTOR(S): Saiki, Masaji; Imai, Yoshio; Takagi, Makoto
PATENT ASSIGNEE(S): Takemoto Oil and Fat Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 15 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 61108767	A	19860527	JP 1984-230882	19841031
			<--	
JP 64000504	B	19890106		
PRIORITY APPLN. INFO.:			JP 1984-230882	19841031
			<--	

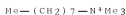
GI



- AB The title compds. are composed of quaternary ammonium phosphates I or II [R, R4 = C8-18 alkyl or alkenyl; R2, R7, R8, R9 = C1-3 alkyl; R5 = H, C8-18 alkyl, C8-18 alkenyl; R6 = C7-17 alkyl or alkenyl; R1 = C1-3 alkyl, (ZO)yH; R3 = C1-3 alkyl, (Z1O)zH; Z, Z1 = CH2CH2, CH2CH2CH2, or mixture thereof (either block or random; m, n = 0-20; m + n = 0-20; x = 2-3; y, z = 2-40; y + z = 4-42] containing ≤1% byproduct alkali metal halides. The compds. exhibit antistatic effects under varying humidities, have good adhesion, and show reduced yellowing and rust formation. Thus, 1 mol phosphoric anhydride was added to 3 mol octyl alc. at 60-70° over 1 h and heated at 70° for 3 h to prepare a mixture of mono- and dioctyl phosphates. Sep., 0.5 mol dimethyloctylamine and 0.5 mol MeCl were heated at 60-70° for 3 h, 0.5 mol NaOMe (in MeOH) was added, and NaCl was filtered to give a MeOH solution of trimethyloctylammonium methoxide. The MeOH solution was mixed with 0.5 mol of the mixed phosphates, the MeOH was distilled off, and H2O was added to give 50% aqueous solution of I [R = octyl, R1, R2, R3 = Me, R4 = octyl, R5 = H, octyl m = n = 0], which was not corrosive to knitting needles, showed elec. resistance 1.2 Ω (25°, 40% relative humidity, 24 h) and 8.8 Ω (25°, 65% relative humidity, 24 h), good adhesion to polyester staple fibers, and produced friction static charge 100 V when applied to acrylic fibers.
- IT 107008-30-0P 107008-31-1P 107008-32-2P
107008-33-3P 107008-34-4P 107008-35-5P
107008-36-6P 107009-12-1P 107009-13-2P
107009-18-7P 107009-19-8P 107032-61-1P
RL: IMF (Industrial manufacture); PREP (Preparation)
(preparation of, as antistatic agents for synthetic fibers)
- RN 107008-30-0 HCAPLUS
- CN 1-Octanaminium, N,N,N-trimethyl-, dioctadecyl phosphate (9CI) (CA INDEX NAME)
- CM 1
- CRN 84841-00-9
- CMF C36 H74 O4 P



- CM 2
- CRN 15461-38-8
- CMF C11 H26 N



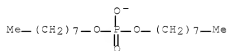
- RN 107008-31-1 HCAPLUS
- CN 1-Octadecanaminium, N,N,N-trimethyl-, dioctyl phosphate (9CI) (CA

INDEX NAME)

CM 1

CRN 45261-23-2

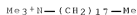
CMF C16 H34 O4 P



CM 2

CRN 15461-40-2

CMF C21 H46 N



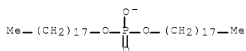
RN 107008-32-2 HCAPLUS

CN 1-Octadecanaminium, N,N,N-trimethyl-, dioctadecyl phosphate (9CI)
(CA INDEX NAME)

CM 1

CRN 84841-00-9

CMF C36 H74 O4 P



CM 2

CRN 15461-40-2

CMF C21 H46 N



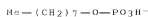
RN 107008-33-3 HCAPLUS

CN 1-Octanaminium, N,N,N-trimethyl-, octyl phosphate (1:1) (CA INDEX NAME)

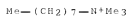
CM 1

2/8/2008

CRN 45102-33-8
CMF C8 H18 O4 P

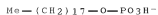


CM 2
CRN 15461-38-8
CMF C11 H26 N

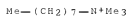


RN 107008-34-4 HCAPLUS
CN 1-Octanaminium, N,N,N-trimethyl-, octadecyl phosphate (1:1) (9CI)
(CA INDEX NAME)

CM 1
CRN 92523-67-6
CMF C18 H38 O4 P

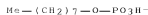


CM 2
CRN 15461-38-8
CMF C11 H26 N



RN 107008-35-5 HCAPLUS
CN 1-Octadecanaminium, N,N,N-trimethyl-, octyl phosphate (9CI) (CA
INDEX NAME)

CM 1
CRN 45102-33-8
CMF C8 H18 O4 P



CM 2

CRN 15461-40-2

CMF C21 H46 N



RN 107008-36-6 HCAPLUS

CN 1-Octadecanaminium, N,N,N-trimethyl-, octadecyl phosphate (1:1)
(9CI) (CA INDEX NAME)

CM 1

CRN 92523-67-6

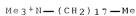
CMF C18 H38 O4 P



CM 2

CRN 15461-40-2

CMF C21 H46 N



RN 107009-12-1 HCAPLUS

CN Phosphoric acid, dioctyl ester, ion(1-), α,α' -
[(methyloctyliminio)di-2,1-ethanediyl]bis[ω -hydroxypoly(oxy-
1,2-ethanediyl)] (9CI) (CA INDEX NAME)

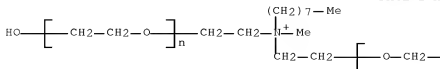
CM 1

CRN 73602-09-2

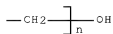
CMF (C2 H4 O)_n (C2 H4 O)_n C13 H30 N O2

CCI PMS

PAGE 1-A



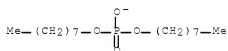
PAGE 1-B



CM 2

CRN 45261-23-2

CMF C16 H34 O4 P



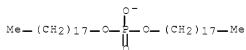
RN 107009-13-2 HCAPLUS

CN Phosphoric acid, dioctadecyl ester, ion(1-), α, α' -
 [(methyloctadecyliminio)di-2,1-ethanediyl]bis[ω -
 hydroxypoly(oxy-1,2-ethanediyl)] (9CI) (CA INDEX NAME)

CM 1

CRN 84841-00-9

CMF C36 H74 O4 P



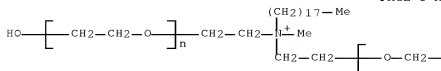
CM 2

CRN 45306-10-3

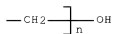
CMF (C2 H4 O)n (C2 H4 O)n C23 H50 N O2

CCI PMS

PAGE 1-A



PAGE 1-B



RN 107009-18-7 HCAPLUS

CN Phosphoric acid, mono-octyl ester, ion(1-), α, α' -
 [(methyloctyliminio)di-2,1-ethanediyl]bis[ω -hydroxypoly(oxy-
 1,2-ethanediyl)] (9CI) (CA INDEX NAME)

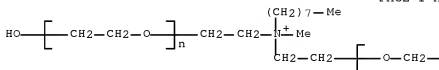
CM 1

CRN 73602-09-2

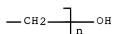
CMF (C2 H4 O)n (C2 H4 O)n C13 H30 N O2

CCI PMS

PAGE 1-A



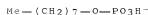
PAGE 1-B



CM 2

CRN 45102-33-8

CMF C8 H18 O4 P



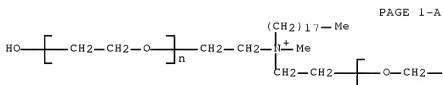
RN 107009-19-8 HCAPLUS

CN 1-Octadecanol, dihydrogen phosphate, ion(1-), salt with
 α, α' -[(methyloctadecyliminio)di-2,1-ethanediyl]bis[ω -hydroxypoly(oxy-1,2-ethanediyl)] (1:1) (9CI)
 (CA INDEX NAME)

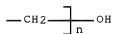
CM 1
 CRN 92523-67-6
 CMF C18 H38 O4 P



CM 2
 CRN 45306-10-3
 CMF (C2 H4 O)n (C2 H4 O)n C23 H50 N O2
 CCI PMS

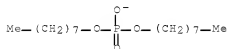


PAGE 1-B



RN 107032-61-1 HCAPLUS
 CN 1-Octanaminium, N,N,N-trimethyl-, dioctyl phosphate (1:1) (9CI) (CA INDEX NAME)

CM 1
 CRN 45261-23-2
 CMF C16 H34 O4 P



CM 2
 CRN 15461-38-8
 CMF C11 H26 N

2/8/2008

Me—(CH₂)₇—H⁺Me₃

IC ICM D06M013-44
 CC 40-9 (Textiles and Fibers)
 ST quaternary ammonium phosphate antistatic agent; elec
 resistance quaternary ammonium phosphate; yellowing quaternary
 ammonium phosphate; anticorrosive quaternary ammonium phosphate;
 polyester fiber antistatic agent
 IT Synthetic fibers, polymeric
 RL: USES (Uses)
 (antistatic agents for, quaternary ammonium phosphates
 as)
 IT Antistatic agents
 (quaternary ammonium phosphates, for synthetic fibers)
 IT Quaternary ammonium compounds, uses and miscellaneous
 RL: USES (Uses)
 (phosphates, tetraalkylammonium, as antistatic agents
 for synthetic fibers)
 IT 107008-30-6P 107008-31-1P 107008-32-2P
 107008-33-3P 107008-34-4P 107008-35-5P
 107008-36-6P 107009-09-6P 107009-11-0P
 107009-12-1P 107009-13-2P 107009-15-4P
 107009-17-6P 107009-18-7P 107009-19-8P
 107032-61-1P 107257-42-1P 107257-43-2P 107257-44-3P
 107308-91-8P
 RL: IMF (Industrial manufacture); PREP (Preparation)
 (preparation of, as antistatic agents for synthetic
 fibers)

L41 ANSWER 35 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1982:583916 HCAPLUS Full-text
 DOCUMENT NUMBER: 97:183916
 ORIGINAL REFERENCE NO.: 97:30781a,30784a
 TITLE: Antistatic agents for synthetic fibers
 PATENT ASSIGNEE(S): Kao Soap Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 57082576	A	19820524	JP 1980-159041	198011 12
<--				
JP 59053396	B	19841225	JP 1980-159041	198011 12
PRIORITY APPLN. INFO.:				

AB Synthetic fibers finished with compns. containing cationic cellulose (I),
 cationic starch, or a chitosan inorg. acid salt and RR1R2P04, where R, R1, or

2/8/2008

R2 is H, NH₄, or alkali metal, and (or) a deliquescent or hygroscopic amine salt have improved antistatic properties at low relative humidity. Thus, a polyester jersey was immersed in an aqueous composition containing 0.02% I (Polymer JR 30M [55466-13-2]) and 0.15% guanidine hydrochloride (II) [50-01-1] to 90% pickup, dried, and heat-treated 1 min at 180°. The electrostatic charge of the treated fabric at 20% relative humidity was 100 V, compared with 11,000 V for a fabric finished with a similar composition without II.

IT 7778-77-0

RL: USES (Uses)

(antistatic agents, containing cationic cellulose for acrylic fibers)

RN 7778-77-0 HCAPLUS

CN Phosphoric acid, potassium salt (1:1) (CA INDEX NAME)



IT 7722-76-1

RL: USES (Uses)

(antistatic agents, containing cationic cellulose, for polyester fibers)

RN 7722-76-1 HCAPLUS

CN Phosphoric acid, ammonium salt (1:1) (CA INDEX NAME)



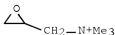
IT 3033-77-0D, reaction products with starch

RL: USES (Uses)

(antistatic agents, for nylon fibers)

RN 3033-77-0 HCAPLUS

CN 2-Oxiranemethanaminium, N,N,N-trimethyl-, chloride (1:1) (CA INDEX NAME)



IT 7558-88-7

2/8/2008

RL: USES (Uses)

(antistatic agents, with cationic starch, for nylon fibers)

RN 7558-80-7 HCAPLUS

CN Phosphoric acid, sodium salt (1:1) (CA INDEX NAME)



● Na

IC D06M015-04; D06M011-04; D06M011-08; D06M013-36; D06M015-20

CC 40-9 (Textiles)

ST cellulose cationic antistatic agent; guanidine hydrochloride antistatic agent; polyester fiber antistatic finishing; antistatic finishing synthetic fiber

IT Acrylic fibers, uses and miscellaneous

RL: USES (Uses)

(antistatic agents for, cationic cellulose and calcium chloride and (or) potassium dihydrogen phosphate as)

IT Polyamide fibers, uses and miscellaneous

RL: USES (Uses)

(antistatic agents for, cationic starch and guanidine hydrochloride or sodium dihydrogen phosphate as)

IT Polyester fibers, uses and miscellaneous

RL: USES (Uses)

(antistatic agents for, cationic starch or cationic cellulose and amine salts and (or) phosphoric acid salts as)

IT Antistatic agents

(cationic cellulose, cationic starch or chitosan hydrochloride and amine salts and (or) phosphoric acid salts, for synthetic fibers)

IT 593-51-1 1302-42-7 7447-41-8, uses and miscellaneous 7646-93-7

RL: USES (Uses)

(antistatic agents containing, for synthetic fibers)

IT 81859-24-7

RL: USES (Uses)

(antistatic agents, containing calcium chloride and (or) potassium dihydrogen phosphate, for acrylic fibers)

IT 7778-77-0 10043-52-4, uses and miscellaneous

RL: USES (Uses)

(antistatic agents, containing cationic cellulose for acrylic fibers)

IT 50-01-1

RL: USES (Uses)

(antistatic agents, containing cationic cellulose or cationic starch, for synthetic fibers)

IT 7722-76-1

RL: USES (Uses)

(antistatic agents, containing cationic cellulose, for polyester fibers)

IT 7790-69-4 13453-80-0

RL: USES (Uses)

(antistatic agents, containing chitosan hydrochloride, for

polyester fibers)
 IT 81859-24-7
 RL: USES (Uses)
 (antistatic agents, containing guanidine hydrochloride and
 (or) ammonium dihydrogen phosphate, for polyester fibers)
 IT 3033-77-0D, reaction products with starch
 RL: USES (Uses)
 (antistatic agents, for nylon fibers)
 IT 7558-80-7
 RL: USES (Uses)
 (antistatic agents, with cationic starch, for nylon
 fibers)
 IT 9005-25-8D, reaction products with glycidyltrimethyl ammonium
 chloride
 RL: USES (Uses)
 (antistatic agents, with guanidine hydrochloride or
 sodium dihydrogen phosphate, for nylon fibers)
 IT 70694-72-3
 RL: USES (Uses)
 (antistatic agents, with lithium nitrate or lithium
 dihydrogen phosphate, for polyester fibers)
 IT 9004-34-6D, cationic
 RL: USES (Uses)
 (antistatic agents, with phosphoric acid salts or amine
 salts, for synthetic fibers)

L41 ANSWER 36 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1982:529089 HCAPLUS Full-text
 DOCUMENT NUMBER: 97:129089
 ORIGINAL REFERENCE NO.: 97:21441a,21444a
 TITLE: Particulate softening agents for
 fabrics
 PATENT ASSIGNEE(S): Lion Corp., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 57061769	A	19820414	JP 1980-136139	198009 30
			<--	
PRIORITY APPLN. INFO.:			JP 1980-136139	198009 30

AB Particulate compns. containing a cationic surfactant N+RR1R2R3X-, where R or
 R1 is C22-24 alkyl, R2 or R3 is C1-4 alkyl, benzyl, C2-4 hydroxyalkyl, or
 poly(oxyalkylene) containing group, and X is a halogen, MeSO4 or EtSO4, and a
 water-soluble salt have improved storage stability and are useful as softening
 agents for laundered fabrics. Thus, 100 g dibehenyltrimethylammonium chloride
 (I) [26597-36-4] melt and 100 g Na tripolyphosphate were mixed and
 pulverized. A nylon tricot was laundered, rinsed with a liquor containing 0.4
 g (as I) pulverized particles in 30L H2O for 3 min, and dried to give a fabric
 with soft handle rating (5 is best rating and 1 is poor rating) 4.8 and 4.5

(after storage of particles for 7 days), compared with 4.7 and 2.8, resp., for a fabric rinsed with a similar composition containing dimethyldistearylammonium chloride instead of I.

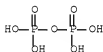
IT 7722-88-5 7758-29-4 10124-56-8

RL: USES (Uses)

(cationic softening agents containing, for fabrics)

RN 7722-88-5 HCAPLUS

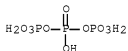
CN Diposphoric acid, sodium salt (1:4) (CA INDEX NAME)



●4 Na

RN 7758-29-4 HCAPLUS

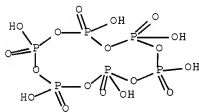
CN Triphosphoric acid, sodium salt (1:5) (CA INDEX NAME)



●5 Na

RN 10124-56-8 HCAPLUS

CN Metaphosphoric acid (H6P6O18), sodium salt (1:6) (CA INDEX NAME)



●6 Na

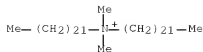
IT 26597-36-4

RL: USES (Uses)

(softening agents, containing water-soluble salts, for fabrics)

RN 26597-36-4 HCAPLUS

CN 1-Docosanaminium, N-docosyl-N,N-dimethyl-, chloride (1:1) (CA INDEX NAME)



● Cl⁻

IC D06M013-46; D06M011-04
 CC 40-9 (Textiles)
 Section cross-reference(s): 46
 IT Softening agents
 (quaternary ammonium compds., containing water-soluble salts,
 storage-stable, for laundered fabrics)
 IT Wearing apparel
 Acrylic fibers, uses and miscellaneous
 Polyamide fibers, uses and miscellaneous
 RL: USES (Uses)
 (softening agents for, quaternary ammonium compds.
 containing water-soluble salts as)
 IT Surfactants
 (cationic, softening agents, containing water-soluble salts,
 storage-stable, for fabrics)
 IT Quaternary ammonium compounds, uses and miscellaneous
 RL: USES (Uses)
 (tetraalkyl, softening agents, containing water-soluble salts,
 storage-stable, for fabrics)
 IT 1302-42-7 1344-09-8 7446-70-0, uses and miscellaneous
 7722-88-5 7758-29-4 10043-01-3 10043-67-1
 10124-56-8
 RL: USES (Uses)
 (cationic softening agents containing, for fabrics
)
 IT 26597-36-4
 RL: USES (Uses)
 (softening agents, containing water-soluble salts, for
 fabrics)

L41 ANSWER 37 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1979:170125 HCAPLUS Full-text
 DOCUMENT NUMBER: 90:170125
 ORIGINAL REFERENCE NO.: 90:27011a,27014a
 TITLE: Antistatic agents for finishing of
 synthetic fabrics
 INVENTOR(S): Ito, Ryuichi; Kawanaka, Kazue; Yoshida, Hiroshi;
 Iwazuki, Toshihiro
 PATENT ASSIGNEE(S): Sanyo Chemical Industries Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 53135000

A

19781125

JP 1977-49663

197704
28

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JP 59020789

B

19840515

JP 1977-49663

A

197704
28

PRIORITY APPLN. INFO.:

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AB Antistatic polyester, nylon, or acrylic fabrics, with improved durability, were prepared by treating the fabrics with a mixture of an ionic surfactant and $\text{Ca}(\text{NO}_3)_2$ or $\text{Mg}(\text{NO}_3)_2$. Thus, a polyester fabric was immersed in an aqueous mixture containing 1% of a mixture of 30 g $\text{Mg}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$, 70 g 15% lauryltrimethylammonium methosulfate [13623-06-8], and 5% Zolon FR [42610-79-7] (waterproofing agent) to 80% pickup, dried, and heat-set 30 s at 180° to give a fabric having elec. resistance at 30% relative humidity $5 + 109 \Omega$ and $7 + 109 \Omega$ (after dry cleaning), compared with $>1012 \Omega$ for an untreated fabric.

IT 13623-06-8

RL: USES (Uses)

(antistatic agents, for polyester or nylon fibers)

RN 13623-06-8 HCAPLUS

CN 1-Dodecanaminium, N,N,N-trimethyl-, methyl sulfate (1:1) (CA INDEX NAME)

CM 1

CRN 21228-90-0

CMF C H3 O4 S

Me-O-SO₃-

CM 2

CRN 10182-91-9

CMF C15 H34 N

Me₃N-(CH₂)₁₁-Me

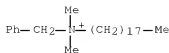
IT 122-19-0 33403-10-0

RL: USES (Uses)

(antistatic composition containing, for polyester fibers, for improved durability)

RN 122-19-0 HCAPLUS

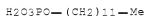
CN Benzenemethanaminium, N,N-dimethyl-N-octadecyl-, chloride (1:1) (CA INDEX NAME)



● Cl⁻

RN 33403-10-0 HCAPLUS

CN Phosphoric acid, monododecyl ester, potassium salt (CA INDEX NAME)



●_x K

IC D06M011-04

CC 39-10 (Textiles)

ST polyester fabric antistatic finishing; nylon fabric antistatic finishing; polyamide fabric antistatic finishing; acrylic fabric antistatic finishing; calcium nitrate antistatic agent; magnesium nitrate antistatic agent; surfactant textile antistatic finishing; durability antistatic synthetic fabric

IT Antistatic agents
(calcium nitrate or magnesium nitrate and ionic surfactants, for polyester, nylon, and acrylic fibers)

IT Surfactants
(ionic, antistatic composition containing, for synthetic fibers)

IT 7631-86-9, uses and miscellaneous

RL: USES (Uses)

(antifriction agents, for polyester fibers)

IT 10377-60-3

RL: USES (Uses)

(antistatic agents, for polyester or acrylic fibers)

IT 10124-37-5 13623-06-8

RL: USES (Uses)

(antistatic agents, for polyester or nylon fibers)

IT 10471-50-8

RL: USES (Uses)

(antistatic composition containing, for nylon fibers, for improved durability)

IT 122-19-0 683-10-3 33403-10-0

RL: USES (Uses)

(antistatic composition containing, for polyester fibers, for improved durability)

IT 9003-08-1

RL: USES (Uses)

(finishing agents, for polyester fibers)

IT 69913-46-8

RL: USES (Uses)

(softening agents, for polyester fibers)

IT 79-10-7D, perfluoroalkyl esters, polymers 42610-79-7

RL: USES (Uses)

2/8/2008

(waterproofing agents, for polyester fibers)

L41 ANSWER 38 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1979:169476 HCAPLUS Full-text

DOCUMENT NUMBER: 90:169476

ORIGINAL REFERENCE NO.: 90:26919a,26922a

TITLE: Studies on the production of antielectrostatic agents and the possibility of their use in the leather industry

AUTHOR(S): Gasiorski, Kazimierz Pawel

CORPORATE SOURCE: Cent. Lab. Przem. Obuwniczego, Pol.

SOURCE: Przegląd Skorzany (1978), 33(8), 257-9

CODEN: PRZKAX; ISSN: 0370-1743

DOCUMENT TYPE: Journal

LANGUAGE: Polish

AB The addition of 0.05-0.5% of diethyl(2-hydroxyethyl)(3-stearamidopropyl)ammonium nitrate [69734-09-4] or diethyl(2-hydroxypropyl)(3-stearamidopropyl)ammonium dihydrogen phosphate [69762-12-5] to Blenden P-II/005/D1-00 [69771-38-6] (polyolefin), Blenden P-I/010/P1-00 [69771-39-7] (polyolefin), or Polwinit SO [69771-78-4] brought their elec. surface resistance to 1011 Ω level. Thus treated polyolefins could be used as coatings for textiles with properties suitable for footwear manufacture

IT 69734-09-4 69762-12-5

RL: USES (Uses)

(antistatic agents, for plastic-coated textiles

, for footwear)

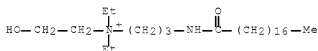
RN 69734-09-4 HCAPLUS

CN 1-Propanaminium, N,N-diethyl-N-(2-hydroxyethyl)-3-[(1-oxooctadecyl)amino]-, nitrate (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 61792-33-4

CMF C27 H57 N2 O2



CM 2

CRN 14797-55-8

CMF N O3



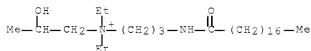
RN 69762-12-5 HCAPLUS

CN 1-Propanaminium, N,N-diethyl-2-hydroxy-N-[3-[(1-oxooctadecyl)amino]propyl]-, phosphate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 69762-11-4

CMF C28 H59 N2 O2



CM 2

CRN 14066-20-7

CMF H2 O4 P



CC 36-6 (Plastics Manufacture and Processing)

Section cross-reference(s): 41

ST antistatic agent ammonium salt; footwear plastic coated textile; polyolefin coated textile footwear

IT Coating materials

(for textile footwear materials, antistatic agents for)

IT Textiles

(plastic-coated footwear materials, antistatic agents for)

IT Footwear

(plastic-coated textiles for, antistatic agents for)

IT Antistatic agents

(quaternary ammonium compds., for plastic-coated textile footwear materials)

IT 69734-09-4 69762-12-5

RL: USES (Uses)

(antistatic agents, for plastic-coated textiles, for footwear)

IT 69771-38-6 69771-39-7 69771-78-4

RL: TEM (Technical or engineered material use); USES (Uses)

(coatings, for textile footwear materials, antistatic agents for)

L41 ANSWER 39 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1979:40552 HCAPLUS Full-text

DOCUMENT NUMBER: 90:40552

ORIGINAL REFERENCE NO.: 90:6531a,6534a

TITLE: Textile softener composition with antistatic action

INVENTOR(S): Seugnet, Monique

PATENT ASSIGNEE(S): Colgate-Palmolive Co., USA

2/8/2008

SOURCE: Ger. Offen., 26 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2812118	A1	19781012	DE 1978-2812118	19780320
US 4118327	A	19781003	US 1977-777994	19770328
ZA 7801293	A	19791031	ZA 1978-1293	19780306
SE 7802637	A	19780929	SE 1978-2637	19780308
SE 447916	B	19861222		
SE 447916	C	19870402		
DK 7801266	A	19780929	DK 1978-1266	19780321
FR 2385839	A1	19781027	FR 1978-8334	19780322
FR 2385839	B1	19830121		
AU 7834485	A	19790927	AU 1978-34485	19780323
AU 524240	B2	19820909		
CA 1105659	A1	19810728	CA 1978-299595	19780323
GB 1600907	A	19811021	GB 1978-11721	19780323
AT 7802076	A	19830215	AT 1978-2076	19780323
AT 372421	B	19831010		
BE 865367	A1	19780717	BE 1978-186312	19780328
NL 7803287	A	19781002	NL 1978-3287	

197803
28

CH 648982

A3

19850430

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CH 1978-3297197803
28

CH 648982

B5

19851031

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US 1977-777994

A

197703
28

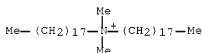
PRIORITY APPLN. INFO.:

AB Ethoxylated monoalkyl and dialkyl phosphates, such as Hostaphat MDGE S 080 (I) [68822-05-9] or Gafac RS 710 [12674-36-1], are used with quaternary ammonium compds. to prepare antistatic and softening agents suitable for application to laundered fabrics, especially nylon, during rinsing. Thus, water containing 1% I and 6% dimethyldistearylammonium chloride [107-64-2] was used as an antistatic and softening agent.

IT 107-64-2
RL: USES (Uses)
(antistatic and softening agents containing ethoxylated phosphate esters and, for textiles)

RN 107-64-2 HCAPLUS

CN 1-Octadecanaminium, N,N-dimethyl-N-octadecyl-, chloride (1:1) (CA INDEX NAME)

● Cl⁻

IT 9046-01-9 39464-66-9

RL: USES (Uses)

(antistatic and softening agents containing quaternary ammonium compds. and, for textiles)

RN 9046-01-9 HCAPLUS

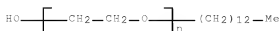
CN Poly(oxy-1,2-ethanediyl), α-tridecyl-ω-hydroxy-, phosphate (CA INDEX NAME)

CM 1

CRN 24938-91-8

CMF (C2 H4 O)_n C13 H28 O

CCI PMS

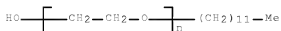


CM 2

CRN 7664-38-2
CMF H3 O4 P



RN 39464-66-9 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), α -dodecyl- θ -hydroxy-,
phosphate (CA INDEX NAME)
CM 1
CRN 9002-92-0
CMF (C2 H4 O)_n C12 H26 O
CCI PMS



CM 2
CRN 7664-38-2
CMF H3 O4 P



IC D06M013-32
CC 46-4 (Surface Active Agents and Detergents)
ST antistatic ethoxylate phosphate ester textile; softener antistatic
agent textile; quaternary ammonium softener textile; nylon
fabric antistatic softener
IT Polyamide fibers, uses and miscellaneous
RL: USES (Uses)
(antistatic and softening agents for)
IT Antistatic agents
(ethoxylated monoalkyl and dialkyl phosphates, for textiles)
IT Softening agents
(quaternary ammonium compds., containing ethoxylated phosphate
esters, for textiles)
IT 107-64-2
RL: USES (Uses)
(antistatic and softening agents containing ethoxylated
phosphate esters and, for textiles)

IT 75-21-8D, reaction products with monoalkyl and dialkyl phosphates
 3946-01-9 25322-68-3D, esters with monoalkyl and dialkyl
 phosphates 39464-66-9 68822-04-8 68822-05-9
 RL: USES (Uses)
 (antistatic and softening agents containing quaternary
 ammonium compds. and, for textiles)

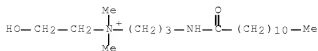
L41 ANSWER 40 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1975:126545 HCAPLUS Full-text
 DOCUMENT NUMBER: 82:126545
 ORIGINAL REFERENCE NO.: 82:20221a,20224a
 TITLE: Oiling composition for treating fiber
 INVENTOR(S): Matsueda, Kohichi
 PATENT ASSIGNEE(S): Takemoto Oil and Fat Co., Ltd.
 SOURCE: Jpn. Tokkyo Koho, 4 pp.
 CODEN: JAXXAD
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 49026112	B	19740705	JP 1970-119279	197012 28
<--				
PRIORITY APPLN. INFO.:			JP 1970-119279	197012 28

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AB A lubricant imparting antistatic properties to synthetic fibers comprises mineral oil or fatty acid ester and 3-25 weight % [RCONH(CH₂)_mN+R₁R₂R₃]_n X_n-, where R = C₇-21 alkyl or alkenyl, m = 2 or 3, R₁ = RCONH(CH₂)_m, CH₂CH₂OH, Me, or Et, R₂ and R₃ = Me, Et, or CH₂CH₂OH, n = 1 or 2, and X_n = anion containing a C₁₂-22 alkyl or alkenyl group. The composition optionally contains a surfactant. For example, undrawn nylon-6 fibers were coated with a composition containing 75% refined mineral oil, 5% C₁₁H₂₃CONH(CH₂)₃N+Me₂CH₂CH₂OH (C₁₂H₂₅O)₂P(O)O- [54733-28-7], 7% Na dioctyl sulfosuccinate, and 13% C₁₂H₂₅O(CH₂CH₂O)_xH, at 0.8% adhesion, and then drawn to give antistatic 70-denier, 24- filament yarn.

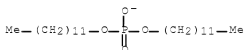
IT 54733-28-7
 RL: USES (Uses)
 (antistatic agents, nylon fibers lubricant
 containing)
 RN 54733-28-7 HCAPLUS
 CN 1-Propanaminium, N-(2-hydroxyethyl)-N,N-dimethyl-3-[(1-oxododecyl)amino]-, didodecyl phosphate (salt) (9CI) (CA INDEX NAME)
 CM 1
 CRN 54733-27-6
 CMF C19 H41 N2 O2



CM 2

CRN 45300-74-1

CMF C24 H50 O4 P



IC D06M

CC 39-8 (Textiles)

ST lubricant nylon fiber; antistatic nylon fiber; oiling compn
nylon fiber; ammonium antistatic agent; amide antistatic
agent; nylon fiber lubricant antistatic

IT Antistatic agents

((acylamino)alkyl)ammonium compds., fiber lubricants containing)

IT Quaternary ammonium compounds, uses and miscellaneous

RL: USES (Uses)

(antistatic agents, nylon fiber lubricants containing)

IT Polyamide fibers

Synthetic fibers

RL: USES (Uses)

(lubricants for, containing [(acylamino)alkyl]ammonium antistatic
agents)

IT 54733-28-7

RL: USES (Uses)

(antistatic agents, nylon fibers lubricant
containing)

L41 ANSWER 41 OF 41 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1972:436317 HCAPLUS Full-text

DOCUMENT NUMBER: 77:36317

ORIGINAL REFERENCE NO.: 77:6033a,6036a

TITLE: Carbamate antistatic agents

INVENTOR(S): Eiseman, Fred S., Jr.

PATENT ASSIGNEE(S): GAF Corp.

SOURCE: U.S., 4 pp.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 3658882	A	19720425	US 1970-38517	

197005
18

PRIORITY APPLN. INFO.:

US 1970-38517

A

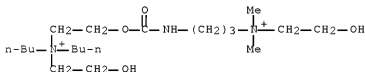
197005
18

- AB N-aminopropyl carbamates and their quaternary derivs., prepared by treating certain chlorocarbonates with certain substituted propylenediamines were used as antistatic agents for polypropylene (I) [9003-07-0] and nylon swatches and failles. Thus, N,N-dibutylaminoethylchlorocarbonate, prepared by the phosgenation of Bu₂NCH₂CH₂OH in dioxane, was treated with dimethylpropylenediamine in the presence of NaOH at pH 10-10.5 to give 79.5% N,N-dibutylaminoethyl-N-(3-dimethylaminopropyl)carbamate (II) [35141-39-0]. Quaternization of II with ethylene oxide and H₃PO₄ gave II-bis(ethylene oxide)adduct bis(dihydrogen phosphate)salt (III). Antistatic I and nylon swatches were prepared by treating the fabric with a 2.5% III in MeOH-CCl₄ mixture. Among the other carbamates prepared was dicyclohexylaminoethoxyethyl-N-(3-diethylaminopropyl)carbamate [35141-40-3].
- IT 38479-27-5 38479-28-6 38479-30-0
RL: MOA (Modifier or additive use); USES (Uses)
(antistatic agents, for synthetic fibers)
- RN 38479-27-5 HCAPLUS
- CN 1-Butanaminium, N-butyl-N-(2-hydroxyethyl)-N-[2-[[[3-[(2-hydroxyethyl)dimethylammonio]propyl]amino]carbonyl]oxy]ethyl]-, phosphate (1:2) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 45295-25-8

CMF C20 H45 N3 O4



CM 2

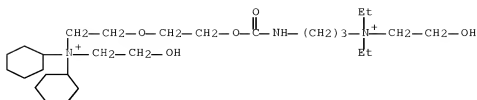
CRN 14066-20-7

CMF H2 O4 P



RN 38479-28-6 HCAPLUS

CN 3,6-Dioxo-8-aza-12-azoniatetradecan-1-aminium, N,N-dicyclohexyl-12,12-diethyl-14-hydroxy-N-(2-hydroxyethyl)-7-oxo-, dichloride (9CI)
(CA INDEX NAME)

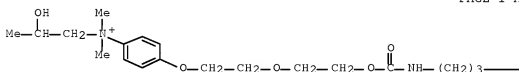


●2 Cl⁻

RN 38479-30-0 HCAPLUS

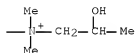
CN Benzenaminium, 4-[(14-hydroxy-12,12-dimethyl-7-oxo-3,6-dioxo-8-aza-12-azoniapentadec-1-yl)oxy]-N-(2-hydroxypropyl)-N,N-dimethyl-, dichloride (9CI) (CA INDEX NAME)

PAGE 1-A



●2 Cl⁻

PAGE 1-B



IC C07C125-06A

INCL 260482000C

CC 39-10 (Textiles)

Section cross-reference(s): 23, 24

ST carbamate antistatic agent; polypropylene textile antistatic; nylon antistatic; quaternization aminopropylcarbamate

IT Acrylic fibers

Polyamide fibers

Polypropylene fibers

RL: USES (Uses)

(antistatic agents for, aminopropyl carbamates as)

IT 35141-39-0 35141-40-3 38479-27-5 38479-28-6

38479-29-7 38479-30-0 38546-83-7

RL: MOA (Modifier or additive use); USES (Uses)
(antistatic agents, for synthetic Fibers)

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